



January 21, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: CIRCLE K STORE 05426
8510 GRAVENSTEIN HIGHWAY
COTATI, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for Circle K Store 05426, located at 8510 Gravenstein Highway, Cotati, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

A handwritten signature in black ink that reads "Anju Farfan". The signature is fluid and cursive, with "Anju" on top and "Farfan" below it, though the two names are connected.

Anju Farfan
QMS Operations Manager

CC: County of Sonoma Public Health Department, Environmental Health Division
Mr. Rick S. Randall
Mr. Gavan Heinrich, Secor

Enclosures
20-0400/05426R05.QMS



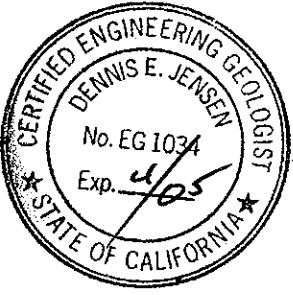
**QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004**

Circle K Store 05426
8510 Gravenstein Highway
Cotati, California

Prepared For:

Mr. Thomas H. Kosel
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



A circular engineering seal for Dennis E. Jensen. The outer ring contains the text "CERTIFIED ENGINEERING GEOLOGIST" at the top and "STATE OF CALIFORNIA" at the bottom. Inside the ring, the name "DENNIS E. JENSEN" is written across the top. In the center, it says "No. EG 1034" and "Exp. 4/05". There are two stars, one on each side of the expiration date.

Senior Project Geologist, Irvine Operations
January 21, 2005

LIST OF ATTACHMENTS

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Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPPH Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time MTBE 8260B Concentrations vs. Time
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Statement	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
October 2004 through December 2004
Circle K Store 05426
8510 Gravenstein Highway
Cotati, CA

Project Coordinator: **Thomas H. Kosel** Water Sampling Contractor: **TRC**
Telephone: **916-588-7666** Compiled by: **Christina Carrillo**

Date(s) of Gauging/Sampling Event: **11/12/04**

Sample Points

Groundwater wells: **5** onsite, **1** offsite Wells gauged: **6** Wells sampled: **6**
Purging method: **Diaphragm pump**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **9.46 feet** Maximum: **10.98 feet**
Average groundwater elevation (relative to available local datum): **93.01 feet**
Average change in groundwater elevation since previous event: **1.63 feet**
Interpreted groundwater gradient and flow direction:

Current event: **0.01 ft/ft, northeast**

Previous event: **0.01 ft/ft, northeast (08/17/04)**

Selected Laboratory Results

Wells with detected **Benzene**: **3** Wells above MCL (1.0 µg/l): **2**
Maximum reported benzene concentration: **200 µg/l (MW-2)**

Wells with **TPPH 8260B** **6** Maximum: **4,000 µg/l (MW-7)**
Wells with **MTBE** **5** Maximum: **300 µg/l (MW-7)**

Notes:

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	= not analyzed, measured, or collected
LPH	= liquid-phase hydrocarbons
Trace	= less than 0.01 foot of LPH in well
$\mu\text{g/l}$	= micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	= milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	= not detected at or above laboratory detection limit
TOC	= top of casing (surveyed reference elevation)

ANALYTES

BTEX	= benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	= di-isopropyl ether
ETBE	= ethyl tertiary butyl ether
MTBE	= methyl tertiary butyl ether
PCB	= polychlorinated biphenyls
PCE	= tetrachloroethene
TBA	= tertiary butyl alcohol
TCA	= trichloroethane
TCE	= trichloroethene
TPH-G	= total petroleum hydrocarbons with gasoline distinction
TPH-D	= total petroleum hydrocarbons with diesel distinction
TPPH	= total purgeable petroleum hydrocarbons
TRPH	= total recoverable petroleum hydrocarbons
TAME	= tertiary amyl methyl ether
1,1-DCA	= 1,1-dichloroethane
1,2-DCA	= 1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	= 1,1-dichloroethene
1,2-DCE	= 1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation - Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.
9. Historical data has been validated for this report. Values presented in the following tables supercede those from previous reports.

REFERENCE

TRC began groundwater monitoring and sampling for Circle K Store 05426 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 12, 2004
Circle K Store 05426

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G	TPPH 8260B	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE 8021B	MTBE 8260B	Comments
		(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-2														
11/12/04	102.98	10.72	0.00	92.26	1.17	-	1100	200	1.5	14	27	-	-	92
MW-6														
11/12/04	104.25	10.98	0.00	93.27	1.90	-	380	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	54
MW-7														
11/12/04	103.82	10.86	0.00	92.96	1.53	-	4000	46	ND<1.0	71	25	--	--	300
MW-8														
11/12/04	103.20	10.94	0.00	92.26	1.27	-	95	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	110
MW-9														
11/12/04	102.64	9.46	0.00	93.18	0.98	-	1600	ND<0.50	ND<0.50	2.9	ND<1.0	--	--	14
OW														
11/12/04	103.78	9.65	0.00	94.13	2.90	-	290	0.86	ND<0.50	ND<0.50	2.3	--	ND<0.50	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through November 2004
Circle K Store #05426

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2														
10/07/91	--	--	--	--	--	--	--	--	60	70	18	110	--	--
09/01/93	--	--	--	--	--	270	--	65	22	13	40	--	--	--
12/30/95	--	--	--	--	--	1300	--	450	6	20	25	--	--	--
01/29/96	102.99	5.50	--	97.49	--	--	--	--	--	--	--	--	--	--
12/18/96	102.99	8.01	--	94.98	-2.51	1700	--	410	48	73	180	25	--	--
04/17/97	102.99	12.78	--	90.21	-4.77	2100	--	400	34	95	180	ND	--	--
06/20/97	102.98	9.88	--	93.10	2.89	2300	--	550	9	82	110	ND	--	--
09/03/97	102.98	10.92	--	92.06	-1.04	1500	--	490	17	64	100	42	--	--
10/01/97	102.98	11.21	--	91.77	-0.29	--	--	--	--	--	--	--	--	--
12/02/97	102.98	8.11	--	94.87	3.10	2900	--	1100	41	150	270	ND	--	--
09/02/98	102.98	9.65	--	93.33	-1.54	1100	--	260	15.3	37.4	86.2	26.8	--	--
02/04/99	102.98	6.89	--	96.09	2.76	800	--	150	ND	48	25	130	--	--
05/04/99	102.98	7.14	--	95.84	-0.25	1200	--	140	ND	20	14	220	--	--
08/05/99	102.98	10.52	--	92.46	-3.38	720	--	160	ND	28	52	96	--	--
11/18/99	102.98	10.91	--	92.07	-0.39	990	--	330	9.9	46	100	33	--	--
02/18/00	102.98	7.48	--	95.50	3.43	850	--	150	2	11	17	25	--	--
05/18/00	102.98	9.66	--	93.32	-2.18	ND	--	ND	ND	ND	ND	ND	--	--
08/17/00	102.98	11.58	--	91.40	-1.92	4370	--	2000	ND	ND	32.2	ND	--	--
11/14/00	102.98	11.90	--	91.08	-0.32	2100	--	1100	9.1	67	100	46	--	--
02/20/01	102.98	9.25	0.00	93.73	2.65	ND	--	ND	ND	ND	ND	ND	--	--
05/04/01	102.98	10.58	0.00	92.40	-1.33	1100	--	630	3.5	20	27	38	--	--
08/20/01	102.98	12.25	0.00	90.73	-1.67	4100	--	2000	ND<20	28	47	ND<100	--	--
11/19/01	102.98	11.25	0.00	91.73	1.00	2400	--	890	ND<10	21	23	ND<100	--	--
02/19/02	102.98	9.61	0.00	93.37	1.64	160	--	31	ND<0.50	1.5	1.2	7.1	--	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through November 2004
Circle K Store 05426

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2 continued														
05/23/02	102.98	10.67	-	92.31	-1.06	2700	-	970	ND<10	34	33	ND<100	-	-
08/21/02	102.98	12.17	-	90.81	-1.50	3000	-	1400	13	18	57	89	-	-
11/19/02	102.98	11.28	-	91.70	0.89	490	-	77	ND<5.0	ND<5.0	ND<5.0	13	-	-
02/12/03	102.98	9.32	-	93.66	1.96	54	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.5	-	-
05/14/03	102.98	9.28	-	93.70	0.04	ND<50	-	0.98	ND<0.50	ND<0.50	ND<0.50	10	-	-
08/13/03	102.98	11.58	0.00	91.40	-2.30	-	680	160	4.1	5.7	19	-	30	-
11/13/03	102.98	12.10	0.00	90.88	-0.52	-	1100	160	ND<2.5	3.0	ND<5.0	-	420	-
02/12/04	102.98	9.64	0.00	93.34	2.46	-	860	280	ND<2.5	9.8	33	-	220	-
05/14/04	102.98	10.93	0.00	92.05	-1.29	-	1700	350	3.3	7.9	47	-	390	-
08/17/04	102.98	11.89	0.00	91.09	-0.96	-	710	77	1.3	3.5	6.4	-	88	-
11/12/04	102.98	10.72	0.00	92.26	1.17	-	1100	200	1.5	14	27	-	92	-
MW-6														
01/29/96	104.26	6.74	-	97.52	--	300	--	ND	ND	ND	0.6	ND	-	-
12/18/96	104.26	8.91	0.00	95.35	-2.17	290	--	9	0.53	ND	ND	46	-	-
04/17/97	104.25	9.11	0.00	95.14	-0.21	340	--	ND	ND	ND	ND	4	-	-
06/20/97	104.25	10.89	-	93.36	-1.78	230	--	ND	ND	ND	ND	14	-	-
09/03/97	104.25	12.27	-	91.98	-1.38	170	--	3.4	ND	ND	ND	13	-	-
10/01/97	104.25	12.64	-	91.61	-0.37	-	--	--	--	--	--	--	-	-
12/02/97	104.25	8.84	-	95.41	3.80	230	--	5.5	0.96	ND	ND	160	-	-
09/02/98	104.25	10.87	-	93.38	-2.03	375	--	ND	ND	ND	ND	32.4	-	-
02/04/99	104.25	7.88	-	96.37	2.99	220	--	3	0.52	ND	ND	83	-	-
05/04/99	104.25	7.96	-	96.29	-0.08	180	--	3.4	0.78	ND	2.6	53	-	-
08/05/99	104.25	11.47	-	92.78	-3.51	61	--	5.2	0.77	ND	1.7	29	-	-
11/18/99	104.25	12.40	-	91.85	-0.93	350	--	7.2	0.54	ND	ND	28	-	-

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through November 2004
Circle K Store 05426

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
02/18/00	104.25	7.57	--	96.68	4.83	110	--	6.8	ND	ND	ND	29	--	
05/18/00	104.25	10.35	--	93.90	-2.78	136	--	ND	ND	ND	ND	9.35	--	
08/17/00	104.25	12.51	--	91.74	-2.16	ND	--	ND	ND	ND	ND	10.3	--	
11/14/00	104.25	12.96	--	91.29	-0.45	210	--	3.4	ND	ND	0.61	91	--	
02/20/01	104.25	9.11	0.00	95.14	3.85	237	--	1.49	ND	ND	ND	24.9	--	
05/04/01	104.25	11.34	0.00	92.91	-2.23	210	--	18	ND	ND	0.75	24	--	
08/20/01	104.25	12.38	0.00	91.87	-1.04	87	--	1.0	0.57	ND<0.50	2.0	19	--	
11/19/01	104.25	11.88	0.00	92.37	0.50	87	--	10	ND<0.50	ND<0.50	ND<0.50	21	--	
02/19/02	104.25	9.81	0.00	94.44	2.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
05/23/02	104.25	11.31	--	92.94	-1.50	ND<50	--	0.62	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
08/21/02	104.25	13.39	--	90.86	-2.08	ND<50	--	5.7	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
11/19/02	104.25	11.67	--	92.58	1.72	ND<1000	--	ND<10	ND<10	ND<10	ND<10	15	--	
02/12/03	104.25	9.81	--	94.44	1.86	80	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.6	--	
05/14/03	104.25	9.37	--	94.88	0.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--	
08/13/03	104.25	12.51	0.00	91.74	-3.14	--	91	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.9	
11/13/03	104.25	13.34	0.00	90.91	-0.83	--	270	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	68	
02/12/04	104.25	10.07	0.00	94.18	3.27	--	170	0.53	2.8	0.73	3.9	--	26	
05/14/04	104.25	11.62	0.00	92.63	-1.55	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	16	
08/17/04	104.25	12.88	0.00	91.37	-1.26	--	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	22	
11/12/04	104.25	10.98	0.00	93.27	1.90	--	380	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	54	
MW-7														
01/29/96	103.83	6.71	--	97.12	--	8900	--	1800	ND	700	450	1300	--	
12/18/96	103.83	8.88	--	94.95	-2.17	8900	--	1800	22	370	240	6400	--	
04/17/97	103.83	9.06	0.00	94.77	0.00	ND	--	1700	ND	590	570	25000	29000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through November 2004
Circle K Store 05426

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	IPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G	TPPH 8260B	Benzene (µg/l)	Toluene (µg/l)	Ethy-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
D MW-7 continued															
D 04/17/97	103.83	9.06	0.00	94.77	-0.18	ND	ND	ND	1800	ND	640	610	28000	--	
D 06/20/97	103.82	10.56	--	93.26	0.00	14000	--	2400	ND	440	440	440	25000	--	
D 06/20/97	103.82	10.56	--	93.26	-1.51	ND	ND	2500	ND	490	490	490	23000	--	
D 09/03/97	103.82	11.68	--	92.14	-1.12	12000	--	4000	ND	510	260	260	12000	--	
D 10/01/97	103.82	11.96	--	91.86	-0.28	--	--	--	--	--	--	--	--	--	
D 12/02/97	103.82	8.82	--	95.00	3.14	8900	--	2500	ND	500	320	320	14000	--	
D 09/02/98	103.82	10.41	--	93.41	-1.59	ND	ND	ND	ND	ND	ND	ND	ND	--	
D 02/04/99	103.82	7.86	--	95.96	2.55	13000	--	1500	190	710	660	660	28000	--	
D 05/04/99	103.82	8.28	--	95.54	-0.42	14000	--	1600	ND	1000	1000	1000	22000	--	
D 08/05/99	103.82	11.16	--	92.66	-2.88	7800	--	1200	ND	720	610	610	14000	--	
D 11/18/99	103.82	11.72	--	92.10	-0.56	8300	--	1400	ND	570	390	390	12000	--	
D 02/18/00	103.82	7.68	--	96.14	4.04	7200	--	890	ND	680	590	590	10000	--	
D 05/18/00	103.82	10.13	--	93.69	-2.45	5250	--	386	ND	436	239	239	4710	3950	
D 08/17/00	103.82	12.07	--	91.75	-1.94	4290	--	309	ND	124	38	38	3050	--	
D 11/14/00	103.82	12.59	--	91.23	-0.52	6500	--	690	ND	550	210	210	3500	--	
D 02/20/01	103.82	9.64	0.00	94.18	2.95	5760	--	350	ND	190	74	74	3410	--	
D 05/04/01	103.82	10.93	0.00	92.89	-1.29	4700	--	420	34	510	310	310	3000	--	
D 08/20/01	103.82	12.74	0.00	91.08	-1.81	4500	--	320	ND<5.0	70	31	31	2400	--	
D 11/19/01	103.82	11.66	0.00	92.16	1.08	4700	--	360	ND<5.0	120	43	43	2800	--	
D 02/19/02	103.82	9.51	0.00	94.31	2.15	4700	--	220	ND<5.0	320	170	170	1600	--	
D 05/23/02	103.82	10.74	--	93.08	-1.23	3000	--	140	ND<5.0	37	9.7	9.7	1000	--	
D 08/21/02	103.82	12.82	--	91.00	-2.08	3100	--	260	ND<10	210	65	65	950	--	
D 11/19/02	103.82	11.15	--	92.67	1.67	4700	--	93	ND<50	89	41	41	2100	--	
D 02/12/03	103.82	9.11	--	94.71	2.04	5500	--	170	ND<50	280	160	160	2900	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through November 2004
Circle K Store 05426

Date Sampled	TOC Elevation	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPH-8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-7 continued														
05/14/03	103.82	9.03	--	94.79	0.08	3600	--	98	ND<5.0	76	26	610	--	
08/13/03	103.82	12.05	0.00	91.77	-3.02	--	3300	72	ND<10	17	ND<20	--	970	
11/13/03	103.82	12.50	0.00	91.32	-0.45	--	4200	140	ND<5.0	84	23	--	550	
02/12/04	103.82	10.26	0.00	93.56	2.24	--	4500	89	ND<5.0	200	70	--	580	
05/14/04	103.82	11.12	0.00	92.70	-0.86	--	5800	77	ND<5.0	90	24	--	700	
08/17/04	103.82	12.39	0.00	91.43	-1.27	--	3200	49	ND<1.0	17	4.8	--	220	
11/12/04	103.82	10.86	0.00	92.96	1.53	--	4000	46	ND<1.0	71	25	--	300	
MW-8														
01/29/96	103.21	5.59	--	97.62	--	ND	--	ND	ND	ND	ND	ND	ND	--
12/18/96	103.21	8.05	--	95.16	-2.46	ND	--	ND	ND	ND	ND	ND	ND	--
04/17/97	103.21	8.81	0.00	94.40	-0.76	ND	--	ND	ND	ND	ND	6	--	
06/20/97	103.20	10.03	--	93.17	-1.23	ND	--	ND	ND	ND	ND	6	--	
09/03/97	103.20	11.18	--	92.02	-1.15	ND	--	ND	ND	ND	ND	13	--	
10/01/97	103.20	11.50	--	91.70	-0.32	--	--	--	--	--	--	--	--	
12/02/97	103.20	8.11	--	95.09	3.39	ND	--	ND	ND	ND	ND	13	--	
09/02/98	103.20	9.86	--	93.34	-1.75	ND	--	ND	ND	ND	ND	1220	--	
02/04/99	103.20	6.82	--	96.38	3.04	ND	--	9.6	ND	ND	ND	1100	--	
05/04/99	103.20	7.08	--	96.12	-0.26	ND	--	ND	ND	ND	ND	1000	--	
08/05/99	103.20	10.64	--	92.56	-3.56	ND	--	ND	ND	ND	ND	790	--	
11/18/99	103.20	11.13	--	92.07	-0.49	ND	--	ND	ND	ND	ND	870	--	
02/18/00	103.20	7.60	--	95.60	3.53	ND	--	ND	ND	ND	ND	580	--	
05/18/00	103.20	9.85	--	93.35	-2.25	ND	--	ND	ND	ND	ND	604	--	
08/17/00	103.20	11.80	--	91.40	-1.95	ND	--	ND	ND	ND	ND	517	--	
11/14/00	103.20	12.06	--	91.14	-0.26	ND	--	ND	ND	ND	ND	360	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through November 2004
Circle K Store 05426

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-8 continued														
02/20/01	103.20	9.35	0.00	93.85	2.71	ND	—	ND	ND	ND	ND	ND	264	—
05/04/01	103.20	10.80	—	92.40	-1.45	ND	—	ND	ND	ND	ND	ND	380	—
08/20/01	103.20	12.46	0.00	90.74	-1.66	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	230	—
11/19/01	103.20	11.45	0.00	91.75	1.01	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	200	—
02/19/02	103.20	9.68	0.00	93.52	1.77	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	130	—
05/23/02	103.20	10.85	—	92.35	-1.17	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	130	—
08/21/02	103.20	12.38	—	90.82	-1.53	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	130	—
11/19/02	103.20	11.66	—	91.54	0.72	110	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	130	—
02/12/03	103.20	9.67	—	93.53	1.99	68	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	140	—
05/14/03	103.20	9.41	—	93.79	0.26	52	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	68	—
08/13/03	103.20	11.26	0.00	91.94	-1.85	—	83	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND	ND<2.0	—
11/13/03	103.20	12.38	0.00	90.82	-1.12	—	99	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND	110	—
02/12/04	103.20	9.74	0.00	93.46	2.64	—	53	ND<0.50	1.0	ND<0.50	1.7	—	82	—
05/14/04	103.20	11.12	0.00	92.08	-1.38	—	76	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	99	—
08/17/04	103.20	12.21	0.00	90.99	-1.09	—	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	110	—
11/12/04	103.20	10.94	0.00	92.26	1.27	—	95	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—	110	—
MW-9														
06/20/97	102.64	9.80	—	92.84	—	5300	—	32	ND	370	210	380	—	—
09/03/97	102.64	—	—	—	—	—	—	—	—	—	—	—	—	—
10/01/97	102.64	11.30	—	91.34	—	5200	—	77	41	730	130	390	—	—
12/02/97	102.64	8.04	—	94.60	3.26	1700	—	53	ND	110	42	450	—	—
09/02/98	102.64	9.38	—	93.26	-1.34	1820	—	ND	ND	ND	ND	5900	—	—
02/04/99	102.64	7.73	—	94.91	1.65	1800	—	20	ND	58	40	5700	—	—
05/04/99	102.64	7.32	—	95.32	0.41	870	—	15	0.8	36	25	6200	—	—

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through November 2004
Circle K Store 05426

Date Sampled	TOC Elevation	Depth to Water (feet)	IPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G ($\mu\text{g/l}$)	TPPH 8260B ($\mu\text{g/l}$)	Benzene ($\mu\text{g/l}$)	Toluene ($\mu\text{g/l}$)	Ethyl-benzene ($\mu\text{g/l}$)	Total Xylenes ($\mu\text{g/l}$)	MTBE 8021B ($\mu\text{g/l}$)	MTBE 8260B ($\mu\text{g/l}$)	Comments
MW-9 continued														
08/05/99	102.64	10.01	--	92.63	-2.69	ND	--	13	ND	27	25	5900	--	
11/18/99	102.64	10.72	--	91.92	-0.71	ND	--	61	ND	18	6400	--		
02/18/00	102.64	6.54	--	96.10	4.18	820	--	29	1.1	39	29	9900	--	
05/18/00	102.64	8.46	--	94.18	-1.92	541	--	ND	ND	11.8	ND	7200	--	
08/17/00	102.64	10.70	--	91.94	-2.24	511	--	27.9	ND	ND	ND	4790	--	
11/14/00	102.64	11.61	--	91.03	-0.91	ND	--	21	ND	ND	ND	6700	--	
02/20/01	102.64	8.30	0.00	94.34	3.31	1360	--	18.7	1.59	25.8	9.08	7150	--	
05/04/01	102.64	9.67	0.00	92.97	-1.37	770	--	35	5.5	27	42	3400	--	
08/20/01	102.64	11.61	0.00	91.03	-1.94	450	--	6.0	ND<2.5	ND<2.5	ND<2.5	3500	--	
11/19/01	102.64	10.68	0.00	91.96	0.93	1300	--	ND>2.5	ND>2.5	ND>2.5	ND>2.5	5300	--	
02/19/02	102.64	8.81	0.00	93.83	1.87	890	--	ND>5.0	ND>5.0	7.1	ND>5.0	2100	--	
05/23/02	102.64	9.65	--	92.99	-0.84	820	--	32	ND>2.0	4.7	ND>2.0	1200	--	
08/21/02	102.64	11.64	--	91.00	-1.99	290	--	4.4	ND<0.50	ND<0.50	ND<0.50	1100	1900	
11/19/02	102.64	9.65	--	92.99	1.99	2600	--	17	ND>50	ND>50	ND>50	1100	--	
02/12/03	102.64	8.77	--	93.87	0.88	1700	--	73	0.91	140	65	1100	--	
05/14/03	102.64	8.68	--	93.96	0.09	2500	--	66	ND<5.0	51	17	480	--	
08/13/03	102.64	11.63	0.00	91.01	-2.95	--	1400	50	ND<10	11	ND<20	--	660	
11/13/03	102.64	10.71	0.00	91.93	0.92	--	1800	ND>2.5	ND>2.5	9.5	8.3	--	330	
02/12/04	102.64	8.87	0.00	93.77	1.84	--	1400	0.51	3.0	8.6	7.5	--	46	
05/14/04	102.64	9.15	0.00	93.49	-0.28	--	1100	ND<0.50	ND<0.50	5.8	2.3	--	26	
08/17/04	102.64	10.44	0.00	92.20	-1.29	--	960	ND<0.50	ND<0.50	1.1	ND<1.0	--	24	
11/12/04	102.64	9.46	0.00	93.18	0.98	--	1600	ND<0.50	ND<0.50	2.9	ND<1.0	--	14	
OW			--	--	--	210	--	8	10	--	4	--	--	
12/30/95	--	--												

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through November 2004
Circle K Store 05426

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethy-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
OW continued														
01/29/96	103.83	6.17	--	97.66	--	--	--	--	--	--	--	--	--	--
12/18/96	103.83	8.38	--	95.45	-2.21	--	--	--	--	--	--	--	--	--
04/17/97	103.83	--	--	--	--	--	--	--	--	--	--	--	--	--
06/20/97	103.78	--	--	--	--	--	--	--	--	--	--	--	--	--
09/03/97	103.78	11.55	--	92.23	--	ND	--	3.4	ND	ND	ND	5000	--	
10/01/97	103.78	11.83	--	91.95	-0.28	--	--	--	--	--	--	--	--	--
12/02/97	103.78	7.30	--	96.48	4.53	ND	--	ND	ND	ND	ND	570	--	
09/02/98	103.78	9.48	--	94.30	-2.18	ND	--	ND	39	ND	ND	2200	--	
02/04/99	103.78	7.18	--	96.60	2.30	ND	--	ND	ND	ND	ND	320	--	
05/04/99	103.78	7.56	--	96.22	-0.38	ND	--	ND	3.1	ND	ND	200	--	
08/05/99	103.78	10.02	--	93.76	-2.46	ND	--	ND	14	ND	ND	610	--	
11/18/99	103.78	10.80	--	92.98	-0.78	ND	--	2.8	4.7	ND	ND	340	--	
02/18/00	103.78	5.68	--	98.10	5.12	ND	--	ND	ND	ND	ND	ND	--	
05/18/00	103.78	9.84	--	93.94	-4.16	164	--	ND	69.2	ND	ND	ND	--	
08/17/00	103.78	10.14	--	93.64	-0.30	374	--	ND	73.0	ND	ND	274	--	
11/14/00	103.78	11.26	--	92.52	-1.12	87	--	2.8	2	ND	1.3	1600	--	
02/20/01	103.78	7.76	0.00	96.02	3.50	ND	--	ND	ND	ND	ND	ND	--	
05/04/01	103.78	9.79	0.00	93.99	-2.03	ND	--	ND	2.3	ND	ND	440	--	
08/20/01	103.78	10.03	0.00	93.75	-0.24	ND<50	--	ND<50	2.8	ND<0.50	ND<0.50	100	--	
11/19/01	103.78	9.55	0.00	94.23	0.48	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
02/19/02	103.78	7.43	0.00	96.35	2.12	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
05/23/02	103.78	8.74	--	95.04	-1.31	ND<50	--	1.2	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
08/21/02	103.78	12.82	--	90.96	-4.08	ND<50	--	ND<50	1.2	ND<0.50	ND<0.50	ND<2.5	--	
11/19/02	103.78	11.39	--	92.39	1.43	ND<10000	--	ND<100	ND<100	ND<100	ND<100	ND<500	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
October 1991 Through November 2004
Circle K Store 05426

Date Sampled	TOC Elevation	Depth to Water (feet)	IPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8260B	TPPH 8260B	Benzene	Toluene	Ethy-benzene	Total Xylenes	MTBE 8260B	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	($\mu\text{g/l}$)							
OW continued													
02/12/03	103.78	9.48	--	94.30	1.91	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--
05/14/03	103.78	9.34	--	94.44	0.14	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	--
08/13/03	103.78	10.43	0.00	93.35	-1.09	--	82	0.71	ND<0.50	ND<1.0	--	8.6	
11/13/03	103.78	13.60	0.00	90.18	-3.17	--	3700	39	ND<25	ND<25	ND<50	--	5700
02/12/04	103.78	10.25	0.00	93.53	3.35	--	1000	57	26	17	33	--	440
05/14/04	103.78	10.90	0.00	92.88	-0.65	--	1100	48	3.4	8.9	34	--	180
08/17/04	103.78	12.55	0.00	91.23	-1.65	--	2900	350	100	16	220	--	140
11/12/04	103.78	9.65	0.00	94.13	2.90	--	290	0.86	ND<0.50	ND<0.50	2.3	--	ND<0.50

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead	TAME	DPE	ETBE	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium	
	($\mu\text{g/l}$)	(mg/l)	(mg/l)											
MW-2														
12/30/95	300	700	-	-	0.013	-	-	-	-	0.11	-	0.11	ND	0.07
12/18/96	260	-	-	-	-	-	-	-	-	-	-	-	-	-
04/17/97	590	-	-	-	-	-	-	-	-	-	-	-	-	-
06/20/97	480	-	-	-	-	-	-	-	-	-	-	-	-	-
09/03/97	180	-	-	-	-	-	-	-	-	-	-	-	-	-
12/02/97	350	-	-	-	-	-	-	-	-	-	-	-	-	-
09/02/98	343	-	-	-	-	-	-	-	-	-	-	-	-	-
02/04/99	74	-	-	-	-	-	-	-	-	-	-	-	-	-
05/04/99	170	-	-	-	-	-	-	-	-	-	-	-	-	-
08/05/99	310	-	-	-	-	-	-	-	-	-	-	-	-	-
11/18/99	340	-	-	-	-	-	-	-	-	-	-	-	-	-
02/18/00	380	-	-	-	-	-	-	-	-	-	-	-	-	-
05/18/00	55.6	-	-	-	-	-	-	-	-	-	-	-	-	-
08/17/00	522	-	-	-	-	-	-	-	-	-	-	-	-	-
11/14/00	570	-	-	-	-	-	-	-	-	-	-	-	-	-
02/20/01	62.3	-	-	-	-	-	-	-	-	-	-	-	-	-
05/04/01	95	-	-	-	-	-	-	-	-	-	-	-	-	-
08/20/01	450	-	-	-	-	-	-	-	-	-	-	-	-	-
11/19/01	410	-	-	-	-	-	-	-	-	-	-	-	-	-
02/19/02	110	-	-	-	-	-	-	-	-	-	-	-	-	-
05/23/02	360	-	-	-	-	-	-	-	-	-	-	-	-	-
08/21/02	440	-	-	-	-	-	-	-	-	-	-	-	-	-
11/19/02	140	-	-	-	-	-	-	-	-	-	-	-	-	-
02/12/03	100	-	-	-	-	-	-	-	-	-	-	-	-	-
05/14/03	67	-	-	-	-	-	-	-	-	-	-	-	-	-
08/13/03	210	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead	TAME	DPE	ETBE	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium	
	($\mu\text{g/l}$)	(mg/l)	(mg/l)											
MW-2 continued														
11/13/03	190	-	-	-	-	-	-	-	-	-	-	-	-	-
02/12/04	300	-	-	-	-	-	-	-	-	-	-	-	-	-
05/14/04	250	-	-	-	-	-	-	-	-	-	-	-	-	-
08/17/04	230	-	-	-	-	-	-	-	-	-	-	-	-	-
11/12/04	200	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6														
01/29/96	69	800	-	-	0.006	-	-	-	-	0.06	-	0.07	ND	0.05
12/18/96	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
04/17/97	85	-	-	-	-	-	-	-	-	-	-	-	-	-
06/20/97	100	-	-	-	-	-	-	-	-	-	-	-	-	-
09/03/97	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
12/02/97	68	-	-	-	-	-	-	-	-	-	-	-	-	-
09/02/98	126	-	-	-	-	-	-	-	-	-	-	-	-	-
02/04/99	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
05/04/99	70	-	-	-	-	-	-	-	-	-	-	-	-	-
08/05/99	98	-	-	-	-	-	-	-	-	-	-	-	-	-
11/18/99	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
02/18/00	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
05/18/00	101	-	-	-	-	-	-	-	-	-	-	-	-	-
08/17/00	106	-	-	-	-	-	-	-	-	-	-	-	-	-
11/14/00	170	-	-	-	-	-	-	-	-	-	-	-	-	-
02/20/01	123	-	-	-	-	-	-	-	-	-	-	-	-	-
05/04/01	62	-	-	-	-	-	-	-	-	-	-	-	-	-
08/20/01	76	-	-	-	-	-	-	-	-	-	-	-	-	-
11/19/01	87	-	-	-	-	-	-	-	-	-	-	-	-	-
02/19/02	210	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead	TAME 8260B	DPE 8260B	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium
	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)	(mg/l)	(mg/l)					
MW-6 continued												
05/23/02	220	--	--	--	--	--	--	--	--	--	--	--
11/19/02	130	--	--	--	--	--	--	--	--	--	--	--
02/12/03	110	--	--	--	--	--	--	--	--	--	--	--
05/14/03	94	--	--	--	--	--	--	--	--	--	--	--
08/13/03	230	--	--	--	--	--	--	--	--	--	--	--
11/13/03	ND<50	--	--	--	--	--	--	--	--	--	--	--
02/12/04	ND<50	--	--	--	--	--	--	--	--	--	--	--
05/14/04	ND<50	--	--	--	--	--	--	--	--	--	--	--
08/17/04	ND<50	--	--	--	--	--	--	--	--	--	--	--
11/12/04	ND<50	--	--	--	--	--	--	--	--	--	--	--
MW-7												
01/29/96	3200	4900	--	--	0.004	--	--	--	0.04	--	ND	0.03
12/18/96	1000	--	--	--	--	--	--	--	--	--	--	--
04/17/97	3100	--	--	--	--	--	--	--	--	--	--	--
D 04/17/97	3100	--	--	--	--	--	--	--	--	--	--	--
D 06/20/97	2100	--	--	--	--	--	--	--	--	--	--	--
06/20/97	1900	--	--	--	--	--	--	--	--	--	--	--
09/03/97	970	--	--	--	--	--	--	--	--	--	--	--
12/02/97	1200	--	--	--	--	--	--	--	--	--	--	--
09/02/98	1490	--	--	--	--	--	--	--	--	--	--	--
02/04/99	1100	--	--	--	--	--	--	--	--	--	--	--
05/04/99	1700	--	--	--	--	--	--	--	--	--	--	--
08/05/99	2200	--	--	--	--	--	--	--	--	--	--	--
11/18/99	1700	--	--	--	--	--	--	--	--	--	--	--
02/18/00	1200	--	--	--	--	--	--	--	--	--	--	--
05/18/00	993	--	--	--	--	--	--	--	--	--	ND	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead	TAME	DPE	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium
	($\mu\text{g/l}$)	(mg/l)										
MW-7 continued												
08/17/00	1080	-	-	-	-	-	-	-	-	-	-	-
11/14/00	2000	-	-	-	-	-	-	-	-	-	-	-
02/20/01	752	-	-	-	-	-	-	-	-	-	-	-
05/04/01	1100	-	-	-	-	-	-	-	-	-	-	-
08/20/01	480	-	-	-	-	-	-	-	-	-	-	-
11/19/01	420	-	-	-	-	-	-	-	-	-	-	-
02/19/02	700	-	-	-	-	-	-	-	-	-	-	-
05/23/02	530	-	-	-	-	-	-	-	-	-	-	-
08/21/02	1200	-	-	-	-	-	-	-	-	-	-	-
11/19/02	390	-	-	-	-	-	-	-	-	-	-	-
02/12/03	640	-	-	-	-	-	-	-	-	-	-	-
05/14/03	590	-	-	-	-	-	-	-	-	-	-	-
08/13/03	580	-	-	-	-	-	-	-	-	-	-	-
11/13/03	450	-	-	-	-	-	-	-	-	-	-	-
02/12/04	520	-	-	-	-	-	-	-	-	-	-	-
05/14/04	570	-	-	-	-	-	-	-	-	-	-	-
08/17/04	180	-	-	-	-	-	-	-	-	-	-	-
11/12/04	480	-	-	-	-	-	-	-	-	-	-	-
MW-8												
01/29/96	ND	600	-	-	-	-	-	-	0.005	-	-	0.05
12/18/96	ND	-	-	-	-	-	-	-	-	-	-	0.05
04/17/97	ND	-	-	-	-	-	-	-	-	-	-	-
06/20/97	ND	-	-	-	-	-	-	-	-	-	-	-
09/03/97	ND	-	-	-	-	-	-	-	-	-	-	-
12/02/97	ND	-	-	-	-	-	-	-	-	-	-	-
09/02/98	ND	-	-	-	-	-	-	-	-	-	-	-

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead	TAME 8260B	DYPE 8260B	Zinc	Ethanol 8260B	Cadmium	Nickel	Chromium
	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)	(mg/l)	(mg/l)	(mg/l)						
MW-8 continued												
02/04/99	ND	-	-	-	-	-	-	-	-	-	-	-
05/04/99	ND	-	-	-	-	-	-	-	-	-	-	-
08/05/99	62	-	-	-	-	-	-	-	-	-	-	-
11/18/99	68	-	-	-	-	-	-	-	-	-	-	-
02/18/00	ND	-	-	-	-	-	-	-	-	-	-	-
05/18/00	60	-	-	-	-	-	-	-	-	-	-	-
08/17/00	ND	-	-	-	-	-	-	-	-	-	-	-
11/14/00	76	-	-	-	-	-	-	-	-	-	-	-
02/20/01	ND	-	-	-	-	-	-	-	-	-	-	-
05/04/01	ND	-	-	-	-	-	-	-	-	-	-	-
08/20/01	ND<50	-	-	-	-	-	-	-	-	-	-	-
11/19/01	ND<51	-	-	-	-	-	-	-	-	-	-	-
02/19/02	ND<50	-	-	-	-	-	-	-	-	-	-	-
05/23/02	59	-	-	-	-	-	-	-	-	-	-	-
08/21/02	ND<50	-	-	-	-	-	-	-	-	-	-	-
11/19/02	ND<50	-	-	-	-	-	-	-	-	-	-	-
02/12/03	ND<50	-	-	-	-	-	-	-	-	-	-	-
05/14/03	ND<50	-	-	-	-	-	-	-	-	-	-	-
08/13/03	ND<50	-	-	-	-	-	-	-	-	-	-	-
11/13/03	ND<50	-	-	-	-	-	-	-	-	-	-	-
02/12/04	ND<50	-	-	-	-	-	-	-	-	-	-	-
05/14/04	ND<50	-	-	-	-	-	-	-	-	-	-	-
08/17/04	ND<50	-	-	-	-	-	-	-	-	-	-	-
11/12/04	ND<50	-	-	-	-	-	-	-	-	-	-	-
MW-9												
06/20/97	700	-	-	-	-	-	-	-	-	-	-	-

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead	TAME 8260B	DIPE 8260B	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium
	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)	(mg/l)	(mg/l)	(mg/l)						
MW-9 continued												
10/01/97	1100	-	-	-	-	-	-	-	-	-	-	-
12/02/97	190	-	-	-	-	-	-	-	-	-	-	-
09/02/98	241	-	-	-	-	-	-	-	-	-	-	-
02/04/99	150	-	-	-	-	-	-	-	-	-	-	-
05/04/99	180	-	-	-	-	-	-	-	-	-	-	-
08/05/99	480	-	-	-	-	-	-	-	-	-	-	-
11/18/99	360	-	-	-	-	-	-	-	-	-	-	-
02/18/00	250	-	-	-	-	-	-	-	-	-	-	-
05/18/00	193	-	-	-	-	-	-	-	-	-	-	-
08/17/00	225	-	-	-	-	-	-	-	-	-	-	-
11/14/00	230	-	-	-	-	-	-	-	-	-	-	-
02/20/01	195	-	-	-	-	-	-	-	-	-	-	-
05/04/01	67	-	-	-	-	-	-	-	-	-	-	-
08/20/01	140	-	-	-	-	-	-	-	-	-	-	-
11/19/01	110	-	-	-	-	-	-	-	-	-	-	-
02/19/02	120	-	-	-	-	-	-	-	-	-	-	-
05/23/02	150	-	-	-	-	-	-	-	-	-	-	-
08/21/02	860	-	-	-	-	-	-	-	-	-	-	-
11/19/02	120	-	-	-	-	-	-	-	-	-	-	-
02/12/03	430	-	-	-	-	-	-	-	-	-	-	-
05/14/03	400	-	-	-	-	-	-	-	-	-	-	-
08/13/03	180	-	-	-	-	-	-	-	-	-	-	-
11/13/03	81	-	-	-	-	-	-	-	-	-	-	-
02/12/04	150	-	-	-	-	-	-	-	-	-	-	-
05/14/04	99	-	-	-	-	-	-	-	-	-	-	-
08/17/04	55	-	-	-	-	-	-	-	-	-	-	-

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead	TAME	TBA	DIPF	ETBE	Zinc	Ethanol	Nickel	Cadmium	Chromium
	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)	(mg/l)	(mg/l)					
MW-9 continued 11/12/04	61	-	-	-	-	-	-	-	-	-	-	-	-	-
OW	12/30/95	ND	5200	-	-	0.01	-	-	-	-	31	-	ND	0.01
	09/03/97	400	-	-	-	-	-	-	-	-	-	-	-	-
	12/02/97	500	-	-	-	-	-	-	-	-	-	-	-	-
	09/02/98	646	-	-	-	-	-	-	-	-	-	-	-	-
	02/04/99	250	-	-	-	-	-	-	-	-	-	-	-	-
	05/04/99	1800	-	-	-	-	-	-	-	-	-	-	-	-
	08/05/99	2000	-	-	-	-	-	-	-	-	-	-	-	-
	11/18/99	2200	-	-	-	-	-	-	-	-	-	-	-	-
	02/18/00	840	-	-	-	-	-	-	-	-	-	-	-	-
	05/18/00	1500	-	-	-	-	-	-	-	-	-	-	-	-
	08/17/00	3170	-	-	-	-	-	-	-	-	-	-	-	-
	11/14/00	610	-	-	-	-	-	-	-	-	-	-	-	-
	02/20/01	444	-	-	-	-	-	-	-	-	-	-	-	-
	05/04/01	410	-	-	-	-	-	-	-	-	-	-	-	-
	08/20/01	1600	-	-	-	-	-	-	-	-	-	-	-	-
	11/19/01	910	-	-	-	-	-	-	-	-	-	-	-	-
	02/19/02	490	-	-	-	-	-	-	-	-	-	-	-	-
	05/23/02	120	-	-	-	-	-	-	-	-	-	-	-	-
	08/21/02	1400	-	-	-	-	-	-	-	-	-	-	-	-
	11/19/02	960	-	-	-	-	-	-	-	-	-	-	-	-
	02/12/03	2100	-	-	-	-	-	-	-	-	-	-	-	-
	05/14/03	220	-	-	-	-	-	-	-	-	-	-	-	-
	08/13/03	60	-	-	-	-	-	-	-	-	-	-	-	-
	11/13/03	170	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
ADDITIONAL ANALYTICAL RESULTS
Circle K Store 05426

Date Sampled	TPH-D	TRPH	EDC	EDB	Total Lead	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Zinc	Ethanol 8260B	Nickel	Cadmium	Chromium
	($\mu\text{g/l}$)	(mg/l)	($\mu\text{g/l}$)	(mg/l)	(mg/l)	(mg/l)	(mg/l)							
OW continued														
02/12/04	250	--	--	--	--	--	--	--	--	--	--	--	--	--
05/14/04	150	--	--	--	--	--	--	--	--	--	--	--	--	--
08/17/04	150	--	--	--	--	--	--	--	--	--	--	--	--	--
P 11/12/04	230	--	--	--	--	--	--	--	--	--	--	--	--	--

COORDINATED EVENT DATA

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MtBE ($\mu\text{g/L}$)	DO (mg/L)	Comments
AS-1	11/19/2001	--	102.43	12.41	90.02	30,000	--	9,600	ND<100	470	210	490	--	
	2/19/2002	--	102.43	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/26/2002	--	102.43	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	8/21/2002	--	102.43	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/19/2002	--	102.43	12.30	90.13	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	02/12/2003	--	102.43	--	--	--	--	--	--	--	--	--	--	Not Sampled
	05/14/2003	--	102.43	--	--	--	--	--	--	--	--	--	--	
	08/13/2003	--	102.43	12.20	90.23	--	--	--	--	--	--	--	--	Not Sampled
	11/13/2003 P	102.43	12.79	89.64	18,000	--	8,100	26	150	41	600	600	1.2	
	02/12/2004	--	102.43	11.82	90.61	--	--	--	--	--	--	--	--	h, Not Sampled
	05/14/2004	--	102.43	11.35	91.08	--	--	--	--	--	--	--	--	Not Sampled
	08/17/2004	--	102.43	12.27	90.16	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004 P	102.43	11.92	90.51	17,000 J	--	6,100 J	<50	230	75	670 J	670 J	0.6	
MW-1A														
	3/26/1996	--	102.47	6.33	96.14	96,000	--	12,000	ND<125	4,300	9,900	ND<625	--	
	6/26/1996	--	102.47	8.67	93.80	58,000	--	12,000	ND<100	5,900	3,600	ND<500	--	
	9/24/1996	--	102.47	10.14	92.33	54,000	--	11,000	ND<200	4,200	2,200	ND<1,000	--	
	12/15/1996	--	102.47	8.97	93.50	52,000	--	12,000	ND<250	5,100	3,300	ND<1,250	--	
	4/17/1997 NP	102.47	9.97	92.50	46,000	--	10,000	160	5,700	2,500	1,100	1,100	--	
	6/20/1997 NP	102.47	9.75	92.72	60,000	--	12,000	ND<100	6,600	2,600	980	980	--	
	9/14/1997 NP	102.47	10.78	91.69	57,000	--	13,000	ND<200	6,900	4,200	ND<1,200	ND<1,200	--	
	12/27/1997 NP	102.47	9.61	92.86	61,000	--	12,000	ND<200	5,300	6,900	6,900	1,700	--	
	2/23/1998 NP	102.47	5.14	97.33	63,000	--	13,000	ND<200	5,800	4,000	4,000	1,400	--	
	5/25/1998 NP	102.47	8.18	94.29	63,000	--	10,000	ND<200	5,600	3,000	ND<1,200	ND<1,200	--	
	9/21/1998 NP	102.47	9.71	92.76	52,000	--	9,900	ND<100	6,300	1,500	2,600	2,600	--	
	11/20/1998 NP	102.47	10.58	91.89	69,000	--	11,000	ND<100	5,700	3,400	ND<600	ND<600	--	
	2/4/1999 NP	102.47	8.75	93.72	52,000	--	10,000	ND<100	5,200	2,200	710	710	--	
	5/4/1999 NP	102.47	8.12	94.35	42,000	--	11,000	66	6,500	1,200	1,300	1,300	--	
	8/5/1999 --	102.43	--	--	--	--	--	--	--	--	--	--	--	
	8/5/1999 NP	102.47	10.41	92.06	37,000	--	8,900	90	5,300	4,500	1,000	1,000	--	
	11/18/1999 --	102.43	--	--	--	--	--	--	--	--	--	--	--	
	11/18/1999 NP	102.47	11.12	91.35	28,000	--	11,000	44	7,000	700	420	420	--	
	2/18/2000 NP	102.47	8.70	93.77	44,000	--	10,000	45	4,300	600	1,000	1,000	--	
	6/20/2000 NP	102.47	10.49	91.98	43,000	--	11,000	70	5,500	920	620	620	--	

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 134¹
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	DO (mg/L)	Comments
MW-1A	8/17/2000	NP	102.47	12.40	90.07	46,000	--	10,000	38	5,700	1,500	630	--	
	11/14/2000	NP	102.47	11.93	90.54	37,000	--	9,530	ND<125	5,390	975	ND<1,250	--	
	2/20/2001	NP	102.47	9.59	92.88	40,500	--	10,300	ND<100	4,770	1,360	1,080	--	
	5/4/2001	NP	102.47	10.46	92.01	42,700	--	9,060	ND<100	4,750	1,640	ND<1,000	--	
	8/20/2001	NP	102.47	12.03	90.44	37,000 ^a	--	8,800	ND<200	5,000	1,900	ND<100	--	
	11/19/2001	NP	102.47	11.55	90.92	46,000	--	7,200	64	4,500	1,300	1,100	--	
	2/19/2002	NP	102.47	9.95	92.52	30,000	--	8,400	ND<100	3,600	1,300	670	--	
	6/20/2002	--	102.47	11.07	91.40	44,000	--	10,000	130	6,100	2,100	680	--	
	8/21/2002	NP	102.47	11.90	90.57	24,000	--	7,900	ND<100	4,700	1,200	ND<500	--	
	11/19/2002	NP	102.47	11.06	91.41	29,000	--	7,500	350	3,100	1,400	2,900 (500) ^d	--	
	02/12/2003	NP	102.47	9.51	92.96	22,000	--	6,600	<50	1,800	340	950	--	
	05/14/2003	NP	102.47	9.70	92.77	19,000	--	6,400	65	2,000	430	670 J	1.3	
	08/13/2003	NP	102.47	11.42	91.05	39,000	--	8,100	<250	3,400	380	840	0.7	
	11/13/2003	NP	102.47	12.09	90.38	19,000	--	7,000	<100	1,200	110	600	0.8	
	02/12/2004	NP	102.47	9.95	92.52	18,000	--	5,200	<120	1,200	180	430	1.0 h	
	05/14/2004	NP	102.47	10.61	91.86	26,000	--	6,500	<250	2,700	280	480	1.0	
	08/17/2004	NP	102.47	11.55	90.92	21,000	--	6,900	<120	2,800	210	430	1.2	
	11/12/2004	NP	102.47	10.85	91.62	1,300	--	6,100 J	<50	1,300	74	530 J	0.1	
MW-2	3/26/1996	--	101.43	7.31	94.12	390	--	45	ND<0.5	14	3.8	220	--	
	6/26/1996	--	101.43	8.73	92.70	200	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	290	--	
	9/24/1996	--	101.43	9.81	91.62	830	--	ND<5.0	ND<5.0	6.1	6.6	640	--	
	12/15/1996	--	101.43	8.68	92.75	580	--	ND<2.5	ND<2.5	7.5	6.5	820	--	
	4/17/1997	NP	101.43	9.18	92.25	290	--	12	0.78	0.8	0.72	260	--	
	6/20/1997	NP	101.43	9.61	91.82	360	--	ND<2	ND<2	ND<2	ND<2	360	--	
	9/4/1997	NP	101.43	10.63	90.80	510	--	7	ND<5	8	ND<5	740 (770)d	--	
	12/2/1997	NP	101.43	--	DRY	NS	--	NS	NS	NS	NS	NS	--	Not sampled, DRY
	2/23/1998	NP	101.43	5.19	96.24	420	--	24	1.6	18	17	800	--	
	5/28/1998	NP	101.43	8.03	93.40	ND<500	--	28	ND<5	7.3	5.8	1,000	--	
	9/2/1998	NP	101.43	9.80	91.63	ND<2,000	--	37	ND<20	ND<20	ND<20	1,900	--	
	11/20/1998	NP	101.43	10.10	91.33	ND<1,000	--	ND<10	ND<10	ND<10	ND<10	1,600	--	
	2/4/1999	--	101.43	--	DRY	NS	--	NS	NS	NS	NS	NS	--	Not sampled, DRY
	5/4/1999	NP	101.43	8.15	93.28	140	--	0.7	ND<0.5	ND<0.5	ND<0.5	91	--	Not sampled, DRY
	8/5/1999	NP	101.43	--	DRY	NS	--	NS	NS	NS	NS	NS	--	Not sampled, DRY

Table 1

Groundwater Elevation and Analytical Data
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Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MtBE ($\mu\text{g/L}$)	DO (mg/L)	Comments
MW-2	11/18/1999	NP	101.43	--	DRY	NS	--	NS	NS	NS	NS	NS	--	Not sampled, DRY
	2/18/2000	NP	101.43	7.82	93.61	660	--	4.2	1.2	9.7	9.5	330	--	
	6/20/2000	NP	101.43	9.93	91.50	460	--	25	0.6	4.5	10	590	--	
	8/17/2000	NP	101.43	11.80	89.63	850	--	9.4	ND<0.5	4.4	12	960	--	
	11/14/2000	NP	101.43	11.24	90.19	538	--	10.1	ND<1	1.22	3.13	1,090	--	
	2/20/2001	NP	101.43	8.90	92.53	431	--	3.92	ND<0.5	5.74	6.22	990	--	
	5/4/2001	NP	101.43	9.90	91.53	734	--	9.77	ND<2.5	13.1	8.12	1,220	--	
	8/20/2001	NP	101.43	11.27	90.16	540a	--	1.9	1.9	1	ND<1.0	690	--	
	11/19/2001	NP	101.43	10.96	90.47	3,000	--	8	ND<5.0	22	9	1,500	--	
	2/19/2002	NP	101.43	9.11	92.32	840	--	25	1.5	10	8.1	610	--	
	6/20/2002	--	101.43	10.10	91.33	1,300	--	51	1.1	6.5	3.1	610	--	
	8/21/2002	NP	101.43	11.06	90.37	2,300	--	51	ND<5	ND<5	6	670	--	
	11/19/2002	NP	101.43	10.59	90.84	8,300	--	1,500	38	640	180	840	--	
	02/12/2003	NP	101.43	8.96	92.47	<5,000	--	<50	<50	<50	<50	490	--	
	05/14/2003	NP	101.43	9.14	92.29	930	--	12 J	<1.0	5.7	2.6	600 J	0.9	
	08/13/2003	NP	101.43	10.35	91.08	3,100	--	30	<25	<25	<25	700	0.7	
	11/13/2003	NP	101.43	12.47	88.96	4,800	--	56	<25	31	<25	540	1.5	
	02/12/2004	NP	101.43	9.22	92.21	1,500	--	<5.0	<5.0	7.0	<5.0	220	1.0	h
	05/14/2004	NP	101.43	9.93	91.50	1,600	--	<50	<50	<50	<50	220	1.0	
	08/17/2004	NP	101.43	10.60	90.83	2,700	--	<25	<25	<25	<25	260	1.8	
	11/12/2004	NP	101.43	10.23	91.20	3,800	--	12	<12	18	<12	180	0.2	
MW-3	3/26/1996	--	102.72	6.51	96.21	ND<250	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	920	--	
	6/26/1996	--	102.72	8.58	94.14	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	84	--	
	9/24/1996	--	102.72	10.61	92.11	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.4	--	
	12/15/1996	--	102.72	8.58	94.14	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--	
	4/17/1997	NP	102.72	9.02	93.70	ND<50	--	ND<0.5	3.4	ND<0.5	ND<0.5	ND<2.5	--	
	6/20/1997	NP	102.72	10.12	92.60	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	
	9/4/1997	NP	102.72	11.43	91.29	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3	--	
	12/2/1997	NP	102.72	9.21	93.51	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	
	2/23/1998	NP	102.72	4.40	98.32	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	
	5/29/1998	NP	102.72	7.55	95.17	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	
	9/2/1998	NP	102.72	9.90	92.82	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	
	11/20/1998	NP	102.72	10.45	92.27	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	

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Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethy-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	DO (mg/L)	Comments
MW-3	2/4/1999	NP	102.72	7.64	95.08	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	
	5/4/1999	NP	102.72	7.75	94.97	ND<50	--	ND<0.5	2.8	ND<0.5	ND<3	--	--	
	8/5/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	8/18/1999	NP	102.72	11.17	91.55	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	
	11/18/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	11/18/1999	NP	102.72	11.38	91.34	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	--	
	2/18/2000	NP	102.72	8.70	94.02	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	--	
	6/20/2000	NP	102.72	11.00	91.72	ND<50	--	ND<0.5	1.2	ND<0.5	ND<1	ND<3	--	
	8/17/2000	NP	102.72	12.60	90.12	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	6	--	
	11/14/2000	NP	102.72	12.11	90.61	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--	
	2/20/2001	NP	102.72	9.85	92.87	ND<50	--	ND<0.5	1.02	ND<0.5	ND<0.5	ND<2.5	--	
	5/4/2001	NP	102.72	10.76	91.96	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--	
	8/20/2001	NP	102.72	12.25	90.47	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15	--	
	11/19/2001	NP	102.72	11.81	90.91	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	30	--	
	2/19/2002	NP	102.72	10.24	92.48	ND<50	--	ND<0.50	0.74	ND<0.50	1.1	ND<0.50	--	
	6/20/2002	--	102.72	11.40	91.32	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--	
	8/21/2002	NP	102.72	12.06	90.66	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	76	--	
	11/19/2002	NP	102.72	11.56	91.16	ND<50	--	5.5	ND<0.5	2.4	ND<0.5	32	--	
	02/12/2003	NP	102.72	10.07	92.65	<50	--	<0.50	<0.50	<0.50	<0.50	0.66	--	
	05/14/2003	NP	102.72	9.88	92.84	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	
	08/13/2003	NP	102.72	11.75	90.97	66	--	<2.5	<2.5	<2.5	<2.5	83	1.2	
	11/13/2003	NP	102.72	12.55	90.17	100 R	--	<5.0	<5.0	<5.0	<5.0	230	1.6	
	02/12/2004	NP	102.72	10.23	92.49	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	h
	05/14/2004	NP	102.72	11.02	91.70	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	
	08/17/2004	NP	102.72	11.85	90.87	<50	--	<0.50	<0.50	<0.50	<0.50	30	2.1	
	11/12/2004	NP	102.72	11.13	91.59	<50 UJ	--	<0.50	3.0	<0.50	<0.50	120 J	2.5	
MW-4	3/26/1996	--	101.59	8.27	93.32	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/26/1996	--	101.59	9.68	91.91	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	9/24/1996	--	101.59	11.22	90.37	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	12/15/1996	--	101.59	9.92	91.67	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	4/17/1997	--	101.59	9.36	92.23	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/20/1997	--	101.59	10.69	90.90	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	9/4/1997	--	101.59	10.69	90.90	NS	--	NS	NS	NS	NS	NS	--	Not sampled

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Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	DO (mg/L)	Comments
MW-4	12/2/1997	--	101.59	9.17	92.42	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	2/23/1998	--	101.59	5.88	95.71	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	32	--
	5/29/1998	--	101.59	8.35	93.24	ND<500	--	ND<5	ND<5	ND<5	ND<5	ND<5	310	--
	9/21/1998	--	101.59	9.47	92.12	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/20/1998	--	101.59	10.29	91.30	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	2/4/1999	--	101.59	8.40	93.19	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	5/4/1999	--	101.59	8.63	92.96	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	2,600	--
	8/5/1999	--	101.59	11.60	89.99	4,400	--	1,100	ND<25	37	35	110	--	--
	8/5/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	--
	11/18/1999	--	101.59	10.52	91.07	ND<50	--	0.6	ND<0.5	ND<0.5	ND<0.5	ND<1	140	--
	11/18/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	--
	3/21/2000	--	101.59	8.08f	--	71	--	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	--	--
	6/20/2000	--	101.59	9.87	91.72	ND<50	--	ND<0.5	0.6	ND<0.5	ND<1	61(71)d	--	--
	8/17/2000	g	101.59	NM	NM	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/14/2000	NP	101.59	11.37	90.22	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15.8	--
	2/20/2001	NP	101.59	8.76	92.83	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	194	--
	5/4/2001	NP	101.59	9.86	91.73	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	--
	8/20/2001	NP	101.59	11.30	90.29	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	19	--
	11/19/2001	NP	101.59	11.00	90.59	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	88	--
	2/19/2002	NP	101.59	9.29	92.30	110	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	230	--
	6/20/2002	--	101.59	10.52	91.07	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<50	--
	8/21/2002	NP	101.59	11.23	90.36	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.5	--
	11/19/2002	NP	101.59	10.39	91.20	ND<50	--	0.52	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--
	02/12/2003	NP	101.59	8.34	93.25	240	--	<0.50	<0.50	<0.50	<0.50	<0.50	220	--
	05/14/2003	NP	101.59	9.27	92.32	200	--	<0.50	<0.50	<0.50	<0.50	<0.50	700 J	0.9
	08/13/2003	NP	101.59	10.80	90.79	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	2.1
	11/13/2003	NP	101.59	11.37	90.22	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	12	3.1
	02/12/2004	NP	101.59	9.30	92.29	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.4 h
	05/14/2004	NP	101.59	9.93	91.66	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	11	2.5
	08/17/2004	NP	101.59	10.90	90.69	<50	--	<0.50	<0.50	<0.50	<0.50	<0.50	11	1.4
	11/12/2004	NP	101.59	9.85	91.74	<50 UJ	--	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ	0.81 J	2.6
MW5	3/26/1996	--	101.8	8.24	93.56	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/26/1996	--	101.8	9.62	92.18	NS	--	NS	NS	NS	NS	NS	--	Not sampled

Report Date: January 11, 2005

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Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethy-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MIBF ($\mu\text{g/L}$)	DO (mg/L)	Comments
MW-5	9/24/1996	--	101.8	11.16	90.64	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	12/15/1996	--	101.8	9.86	91.94	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	4/17/1997	--	101.8	9.27	92.53	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/20/1997	--	101.8	9.70	92.10	ND>50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	26	--	
	9/4/1997	--	101.8	10.38	91.42	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	12/2/1997	--	101.8	NM	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	2/23/1998	--	101.8	5.66	96.14	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	5/29/1998	--	101.8	8.12	93.68	ND<500	--	ND<5	ND<5	ND<5	ND<5	430	--	
	9/2/1998	--	101.8	9.35	92.45	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/20/1998	--	101.8	10.04	91.76	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	2/4/1999	--	101.8	8.28	93.52	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	5/4/1999	--	101.8	8.46	93.34	ND>50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4,800	--	
	8/5/1999	--	101.8	10.08	91.72	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/18/1999	--	101.8	10.06	91.74	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	2/18/2000	--	101.8	7.90	93.90	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/20/2000	--	101.8	9.73	92.07	ND>50	--	ND>0.5	1	ND<0.5	ND<1	860	--	
	8/17/2000	--	101.8	11.60	90.20	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/14/2000	--	101.8	11.08	90.72	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	2/20/2001	--	101.8	8.52	93.28	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	5/4/2001	NP	101.8	9.76	92.04	ND>50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1,850	--	
	8/20/2001	--	101.8	11.08	90.72	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/19/2001	--	101.8	10.51	91.29	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	2/19/2002	--	101.8	9.08	92.72	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/20/2002	--	101.8	10.15	91.65	ND>50	--	ND>0.5	ND>0.5	ND>0.5	ND>0.5	2.6	--	
	8/21/2002	NP	101.8	10.93	90.87	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	11/19/2002	NP	101.8	--	--	--	--	--	--	--	--	--	--	Well Inaccessible
	2/21/2003	--	101.80	--	--	--	--	--	--	--	--	--	--	Well Inaccessible
	5/14/2003	--	101.80	--	--	--	--	--	--	--	--	--	--	h
	8/13/2003	--	101.80	--	--	--	--	--	--	--	--	--	--	Not Sampled
	11/13/2003	--	101.80	--	--	--	--	--	--	--	--	--	--	Well Inaccessible
	2/12/2004	--	101.80	9.18	92.62	--	--	--	--	--	--	--	--	Well Inaccessible
	5/14/2004	NP	101.80	9.73	92.07	100	--	<10	<10	<10	<10	370	1.8	
	8/17/2004	--	101.80	11.12	90.68	--	--	--	--	--	--	--	--	Not Sampled

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Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MIBE (µg/L)	DO (mg/L)	Comments
MW-5	11/12/2004	--	101.80	9.50	92.30	--	--	--	--	--	--	--	--	Not Sampled
MW-6	3/26/1996	--	103.53	8.16	95.37	3,900	--	750	ND<5.0	50	23	170	--	
	6/26/1996	--	103.53	9.89	93.64	5,000	--	1,500	ND<20	39	ND<20	260	--	
	9/24/1996	--	103.53	11.43	92.10	1,900	--	170	3.7	28	12	120	--	
	12/15/1996	--	103.53	9.66	93.87	970	--	180	ND<2.5	12	ND<2.5	43	--	
	4/7/1997	NP	103.53	10.12	93.41	2,500	--	420	10	71	35	130	--	
	6/20/1997	NP	103.53	11.09	92.44	2,400	--	330	ND<5	26	13	66	--	
	9/4/1997	NP	103.53	12.00	91.53	2,100	--	320	ND<5	7	7	94	--	
	12/21/1997	NP	103.53	10.05	93.48	1,800	--	360	6	19	7	63	--	
	2/23/1998	NP	103.53	6.21	97.32	400	--	31	2.1	2	2.7	ND<0.5	--	
	5/29/1998	NP	103.53	8.95	94.58	940	--	61	2	5.7	3.9	59	--	
	9/2/1998	NP	103.53	10.85	92.68	1,500	--	170	5	3	10	96	--	
	11/20/1998	NP	103.53	11.55	91.98	1,900	--	270	3	ND<2.5	4	88	--	
	2/4/1999	NP	103.53	9.13	94.40	1,500	--	190	3.4	14	10	110	--	
	5/4/1999	NP	103.53	9.29	94.24	2,800	--	400	ND<5	57	28	140	--	
	8/5/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	8/5/1999	NP	103.53	10.10	93.43	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	420	--	
	11/18/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	11/18/1999	NP	103.53	11.80	91.73	2,600	--	400	7.2	4.9	11	23	--	
	2/18/2000	NP	103.53	8.44	95.09	530	--	80	0.7	2.2	2	ND<3	--	
	6/20/2000	NP	103.53	11.41	92.12	490	--	70	1.2	2.4	2.4	840	--	
	8/7/2000	NP	103.53	13.38	90.15	2,200	--	440	2.9	6.3	7.8	440	--	
	11/14/2000	NP	103.53	12.85	90.68	2,950	--	746	ND<10	ND<10	ND<10	1,970(1,880)d	--	
	2/20/2001	NP	103.53	10.22	93.31	602	--	60	0.522	1.11	0.892	3,530(3,550)d	--	
	5/4/2001	NP	103.53	11.49	92.04	361	--	11.6	ND<0.5	0.776	ND<0.5	9,220(6,690)d	--	
	8/20/2001	NP	103.53	12.97	90.56	1,400b	--	50	ND<5.0	ND<5.0	ND<5.0	9,100(8,8) d	--	
	11/19/2001	NP	103.53	12.21	91.32	590	--	24	0.81	2.2	1.5	500	--	
	2/19/2002	NP	103.53	10.74	92.79	140	--	ND<0.50	0.56	0.58	0.77	170	--	
	6/20/2002	--	103.53	12.05	91.48	680	--	170	1.2	14	2.3	520	--	
	8/21/2002	NP	103.53	12.78	90.75	88	--	1.9	ND<0.5	1.4	ND<0.5	ND<2.5	--	
	11/19/2002	NP	103.53	11.46	92.07	ND<1,000	--	98	ND<10	28	11	ND<50	--	
	2/21/2003	NP	103.53	9.55	93.98	<500	--	<5.0	<5.0	<5.0	<5.0	<5.0	--	
	5/14/2003	NP	103.53	10.35	93.18	200	--	2.6 J	<0.50	0.51	0.51	44 J	1.2	

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	DO (mg/L)	Comments
MW-6	08/13/2003	NP	103.53	12.37	91.16	240	--	<2.5	<2.5	<2.5	<2.5	21	1.0	
	11/13/2003	NP	103.53	13.08	90.45	180	--	16	<2.5	<2.5	<2.5	12	1.1	
02/12/2004	NP	103.53	10.72	92.81	190	--	1.8	<0.50	0.94	<0.50	3.9	1.2	h	
05/14/2004	NP	103.53	11.52	92.01	150	--	<2.5	<2.5	<2.5	<2.5	9.8	1.1		
08/17/2004	NP	103.53	12.12	91.41	110	--	5.5	<0.50	1.6	1.1	6.4	1.3		
11/12/2004	NP	103.53	11.39	92.14	380 J	--	8.1	<2.5	<2.5	<2.5	31 J	0.4		
MW-7	3/26/1996	--	103.46	7.88	95.58	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/26/1996	--	103.46	9.80	93.66	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	9/24/1996	--	103.46	11.71	91.75	NS	--	NS	NS	NS	NS	NS	--	Not sampled
12/15/1996	--	103.46	9.98	93.48	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
4/17/1997	--	103.46	10.10	93.36	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
6/20/1997	--	103.46	11.15	92.31	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3	--	Not sampled
9/4/1997	--	103.46	12.21	91.25	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	12/2/1997	--	103.46	10.76	92.70	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	2/23/1998	--	103.46	5.63	97.83	NS	--	NS	NS	NS	NS	NS	--	Not sampled
5/28/1998	--	103.46	8.90	94.56	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3	--	
9/2/1998	--	103.46	11.00	92.46	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	11/20/1998	--	103.46	11.63	91.83	NS	--	NS	NS	NS	NS	NS	--	Not sampled
2/4/1999	--	103.46	9.05	94.41	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
5/4/1999	--	103.46	9.05	94.41	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	
8/5/1999	--	103.46	12.01	91.45	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
11/18/1999	--	103.46	12.52	90.94	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
2/18/2000	--	103.46	9.86	93.60	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
6/20/2000	--	103.46	12.05	91.41	ND<50	--	ND<0.5	1	ND<0.5	ND<1	ND<1	120	--	
8/7/2000	--	103.46	13.78	89.68	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
11/14/2000	--	103.46	13.10	90.36	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
2/20/2001	--	103.46	11.12	92.34	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
5/4/2001	NP	103.46	12.00	91.46	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	189	--	
8/20/2001	--	103.46	13.20	90.26	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
11/19/2001	--	103.46	12.91	90.55	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
2/9/2002	--	103.46	11.43	92.03	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
6/20/2002	--	103.46	12.43	91.03	81	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	480	--	
8/21/2002	NP	103.46	13.07	90.39	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Colati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MIBE ($\mu\text{g/L}$)	DO (mg/L)	Comments
MW-7	1/19/2002	NP	103.46	12.81	90.65	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	02/12/2003	NP	103.46	11.23	92.23	--	--	--	--	<1.0	<1.0	<1.0	1,100	1.0
	05/14/2003	NP	103.46	11.11	92.35	450	--	<1.0	--	--	--	--	--	--
	08/13/2003	--	103.46	12.71	90.75	--	--	--	--	--	--	--	--	--
	02/12/2004	--	103.46	11.39	92.07	--	--	--	--	--	--	--	--	h
	05/14/2004	NP	103.46	12.14	91.32	170	--	<12	<12	<12	<12	530	1.2	
	08/17/2004	--	103.46	12.96	90.50	--	--	--	--	--	--	--	--	
	11/12/2004	--	103.46	12.47	90.99	--	--	--	--	--	--	--	--	Not Sampled
<hr/>														
MW-8	3/26/1996	--	100.70	6.69	94.01	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--
	6/26/1996	--	100.70	8.16	92.54	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--
	9/24/1996	--	100.70	9.50	91.20	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--
	12/15/1996	--	100.70	8.44	92.26	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	47	--
	4/17/1997	--	100.70	8.21	92.49	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--
	6/20/1997	--	100.70	9.02	91.68	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--
	9/4/1997	--	100.70	9.96	90.74	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	17	--
	12/2/1997	--	100.70	8.85	91.85	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	87	--
	2/23/1998	--	100.70	5.64	95.06	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	--
	5/29/1998	--	100.70	7.51	93.19	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8	--
	9/2/1998	--	100.70	8.81	91.89	120	--	1.1	ND<0.5	3.3	ND<0.5	3	--	
	12/1/1998	--	100.70	9.40e	91.30	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	21	--
	2/4/1999	--	100.70	7.90	92.80	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--
	5/4/1999	--	100.70	7.62	93.08	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8	--
	8/5/1999	--	100.70	9.60	91.10	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15	--
	8/5/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	11/1/1999	--	100.70	10.08	90.62	ND<50	--	ND<0.5	ND<0.5	ND<1	ND<1	120	--	
	11/1/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	2/18/2000	--	100.70	8.04	92.66	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	310	--	
	6/20/2000	--	100.70	9.35	91.35	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	560	--	
	8/17/2000	--	100.70	11.18	89.52	ND<50	--	ND<0.5	ND<0.5	ND<1	ND<1	320	--	
	11/1/2000	NP	100.70	10.68	90.02	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	273	--
	2/20/2001	NP	100.70	8.41	92.29	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	122	--
	5/4/2001	NP	100.70	9.32	91.38	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	199	--
	8/20/2001	NP	100.70	10.66	90.04	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	140	--

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MME ($\mu\text{g/L}$)	DO (mg/L)	Comments
MW-8	1/19/2001	NP	100.70	10.46	90.24	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	360	--
	2/19/2002	NP	100.70	8.86	91.84	70	--	ND<0.50	1.1	ND<0.50	1.5	98	--	
6/20/2002	--	100.70	9.90	90.80	140	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1,700	--	
8/21/2002	NP	100.70	10.50	90.20	1,200	--	ND<10	ND<10	ND<10	ND<10	ND<10	1,300	--	
11/19/2002	NP	100.70	10.19	90.51	1,100	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	1,700	--	
02/12/2003	NP	100.70	8.71	91.99	<5,000	--	<50	<50	<50	<50	<50	2,300	--	
05/14/2003	NP	100.70	8.61	92.09	1,800	--	<5.0	<5.0	<5.0	<5.0	<5.0	4,900 J	0.8	
08/13/2003	NP	100.70	10.15	90.55	1,600	--	<50	63	<50	130	130	4,700	1.5	
11/13/2003	NP	100.70	11.32	89.38	1,500 R	--	<50	<50	<50	<50	<50	3,900	1.2	
02/12/2004	NP	100.70	8.76	91.94	450	--	<12	<12	<12	<12	<12	800	0.9 h	
05/14/2004	NP	100.70	9.45	91.25	120	--	<12	<12	<12	<12	<12	250	1.1	
08/17/2004	NP	100.70	10.38	90.32	51	--	<0.50	<0.50	<0.50	<0.50	<0.50	33	2.1	
11/12/2004	NP	100.70	9.79	90.91	<50 UJ	--	<0.50	<0.50	<0.50	<0.50	<0.50	<50 UJ	0.6	
MW-9	3/26/1996	--	101.6	8.42	93.18	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	6/26/1996	--	101.6	9.49	92.11	NS	--	NS	NS	NS	NS	NS	--	Not sampled
9/24/1996	--	101.6	10.74	90.86	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
12/15/1996	--	101.6	9.44	92.16	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
4/17/1997	--	101.6	9.61	91.99	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
6/20/1997	--	101.6	10.22	91.38	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	58	--	
9/4/1997	--	101.6	11.19	90.41	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
12/2/1997	--	101.6	9.95	91.65	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
2/23/1998	--	101.6	6.50	95.10	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
5/29/1998	--	101.6	8.89	92.71	ND<500	--	ND<5	ND<5	ND<5	ND<5	ND<5	150	--	
9/2/1998	--	101.6	9.98	91.62	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
11/20/1998	--	101.6	10.84	90.76	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
2/4/1999	--	101.6	8.88	92.72	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
5/4/1999	--	101.6	9.01	92.59	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	220	--	
8/5/1999	--	101.6	10.75	90.85	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	280	--	
8/5/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	--	--
11/18/1999	--	101.6	11.30	90.30	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	440	--	
11/18/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	--	--
3/21/2000	--	101.6	8.50f	93.10	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<3	--	--	--
6/20/2000	--	101.6	10.51	91.09	ND<50	--	ND<0.5	0.9	ND<0.5	ND<1	370(390)d	--	--	--

Report Date: January 11, 2005

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg (µg/L)	TPPh (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	DO (mg/L)	Comments
MW-9	8/17/2000	--	101.6	12.35	89.25	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	320(360)d	--	
	11/14/2000	NP	101.6	11.79	89.81	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	297	--	
	2/20/2001	NP	101.6	9.42	92.18	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	137	--	
	5/4/2001	NP	101.6	10.37	91.23	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	126	--	
	8/20/2001	NP	101.6	11.71	89.89	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	150	--	
	11/19/2001	NP	101.6	11.60	90.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	--	
	2/19/2002	NP	101.6	9.95	91.65	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	31	--	
	6/20/2002	--	101.6	11.00	90.60	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	70	--	
	8/21/2002	NP	101.6	11.55	90.05	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	63	--	
	11/19/2002	NP	101.6	11.45	90.15	69	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	100	--	
	2/21/2003	NP	101.60	9.93	91.67	<50	--	<0.50	<0.50	<0.50	<0.50	3.4	--	
	5/14/2003	NP	101.60	9.73	91.87	<50	--	<0.50	<0.50	<0.50	<0.50	4.4 J	1.3	
	8/13/2003	NP	101.60	11.25	90.35	<50	--	<1.0	<1.0	<1.0	<1.0	42	2.3	
	11/13/2003	NP	101.60	12.48	89.12	<50	--	<0.50	<0.50	<0.50	<0.50	49	1.7	
	2/21/2004	NP	101.60	9.83	91.77	<50	--	<0.50	<0.50	<0.50	<0.50	8.0	1.8 h	
	5/14/2004	NP	101.60	10.58	91.02	<50	--	<0.50	<0.50	<0.50	<0.50	21	1.2	
	8/17/2004	NP	101.60	11.52	90.08	<50	--	<0.50	<0.50	<0.50	<0.50	17	2.2	
	11/12/2004	NP	101.60	11.08	90.52	<50 UJ	--	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ	39 J	0.7	
MW-10	3/26/1996	--	102.43	9.11	93.32	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8	--	
	6/26/1996	--	102.43	11.09	91.34	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--	
	9/24/1996	--	102.43	13.03	89.40	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--	
	12/15/1996	--	102.43	12.64	89.79	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4	--	
	4/17/1997	--	102.43	10.17	92.26	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	--	
	6/20/1997	--	102.43	11.85	90.58	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3	--	
	9/4/1997	--	102.43	13.65	88.78	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5	--	
	12/2/1997	--	102.43	12.24	90.19	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5	--	
	2/23/1998	--	102.43	8.20	94.23	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9	--	
	5/29/1998	--	102.43	9.06	93.37	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4	--	
	9/21/1998	--	102.43	11.15	91.28	ND<50	--	0.7	ND<0.5	0.6	ND<0.5	ND<3	--	
	11/20/1998	--	102.43	12.04	90.39	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	13	--	
	2/4/1999	--	102.43	10.63	91.80	ND<50	--	0.5	ND<0.5	0.5	ND<0.5	7	--	
	5/4/1999	--	102.43	9.75	92.68	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10	--	
	8/5/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	

Table 1

Groundwater Elevation and Analytical Data
 ARCO Service Station No. 1341
 8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg ($\mu\text{g/L}$)	TPHd ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl- benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MtBE ($\mu\text{g/L}$)	DO (mg/L)	Comments
MW-10	8/5/1999	--	102.43	11.89	90.54	ND<50	--	3.2	ND<0.5	ND<0.5	1.9	12	--	
	11/18/1999	--	102.43	--	--	--	--	--	--	--	--	--	--	
	11/18/1999	--	102.43	13.03	89.40	ND<50	--	1.8	0.5	ND<0.5	ND<1	12	--	
	2/18/2000	--	102.43	10.28	92.15	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	29	--	
	6/20/2000	--	102.43	12.70	89.73	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1	37	--	
	8/17/2000	--	102.43	14.63	87.80	ND<50	--	0.7	ND<0.5	0.6	3.3	21	--	
	11/14/2000	--	102.43	14.25	88.18	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	42.8	--	
	2/20/2001	--	102.43	11.87	90.56	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	30	--	
	5/4/2001	--	102.43	12.55	89.88	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	16.6	--	
	8/20/2001	--	102.43	14.24	88.19	130	--	11	6.6	1.3	12	31	--	
	11/19/2001	--	102.43	14.10	88.33	ND<50	--	0.57	0.89	ND<0.50	1.3	36	--	
	2/19/2002	--	102.43	11.93	90.50	ND<50	--	ND<0.50	0.91	ND<0.50	1.7	22	--	
	6/20/2002	--	102.43	13.13	89.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	63	--	
	8/21/2002	P	102.43	13.88	88.55	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	49	--	
	11/19/2002	P	102.43	14.04	88.39	58	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	79	--	
	2/21/2003	P	102.43	11.79	90.64	130	--	<0.50	<0.50	<0.50	<0.50	88	--	
	5/14/2003	P	102.43	11.86	90.57	<50	--	<0.50	<0.50	<0.50	<0.50	78 J	3.0	
	8/13/2003	P	102.43	13.52	88.91	55	--	<1.2	<1.2	<1.2	<1.2	82	4.7	
	11/13/2003	P	102.43	14.43	88.00	<50	--	<0.50	<0.50	<0.50	<0.50	4.6	1.6	
	2/21/2004	P	102.43	12.49	89.94	51	--	<0.50	<0.50	<0.50	<0.50	77	4.6 h	
	5/14/2004	P	102.43	12.32	90.11	<50	--	<2.5	<2.5	<2.5	<2.5	64	3.8	
	8/17/2004	P	102.43	13.46	88.97	<50	--	<0.50	<0.50	<0.50	<0.50	20	2.5	
	11/12/2004	P	102.43	13.33	89.10	<50 JJ	--	<0.50	<0.50	<0.50	<0.50	87 J	3.4	
SV-1	11/19/2001	--	--	13.43	--	130	--	13	ND<0.50	ND<0.50	0.85	1,100	--	
	2/19/2002	NP	--	11.37	--	1,300	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	2,300	--	
	6/20/2002	--	--	NM	--	NS	--	NS	NS	NS	NS	--	Not sampled	
	8/21/2002	--	--	NM	--	NS	--	NS	NS	NS	NS	--	Not sampled	
	11/19/2002	--	--	13.30	--	NS	--	NS	NS	NS	NS	--	Not sampled	
	2/21/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	5/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	8/13/2003	--	--	12.75	--	--	--	--	--	--	--	--	--	
	11/13/2003	P	--	14.05	--	240	--	<2.5	<2.5	<2.5	<2.5	96	1.1	
	2/21/2004	--	--	11.27	--	--	--	--	--	--	--	--	--	

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	DO (mg/L)	Comments
SV-1	05/14/2004	--	--	12.25	--	--	--	--	--	--	--	--	--	--
	08/17/2004	--	--	13.12	--	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	NP	--	12.81	--	160 J	--	<0.50	<0.50	<0.50	<0.50	<50 JJ	0.2	
SV-2	11/19/2001	--	--	13.22	--	23,000	--	5,500	ND<50	1,000	180	6,900	--	
	2/19/2002	NP	--	11.20	--	10,000	--	2,000	ND<25	590	340	4,300	--	
	6/20/2002	--	NM	--	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	8/21/2002	--	NM	--	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	11/19/2002	--	13.33	--	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	02/12/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	05/14/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	08/13/2003	--	12.50	--	--	--	--	--	--	--	--	--	--	
	11/13/2003	P	--	14.13	--	14,000	--	3,400 J	<100	190	<100	9,800	1.3	
	02/12/2004	--	--	11.22	--	--	--	--	--	--	--	--	--	
	05/14/2004	--	--	11.82	--	--	--	--	--	--	--	--	--	
	08/17/2004	--	--	12.79	--	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	NP	--	12.64	--	7,000	--	3,200	<50	66	<50	480	0.1	
SV-3	11/19/2001	--	--	12.21	--	83	--	8.2	ND<0.50	ND<0.50	1,400	--		
	2/19/2002	NP	--	10.77	--	30,000	--	24	0.57	ND<0.50	1.1	2,200	--	
	6/20/2002	--	NM	--	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	8/21/2002	--	NM	--	NS	--	NS	NS	NS	NS	NS	NS	--	Not sampled
	11/19/2002	--	--	11.99	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled
	02/12/2003	--	--	--	--	--	--	--	--	--	--	--	--	
	05/14/2003	--	--	12.18	--	--	--	--	--	--	--	--	--	
	08/13/2003	--	--	12.71	--	80	--	<2.5	<2.5	<2.5	<2.5	9.8	0.3	
	11/13/2003	P	--	10.60	--	--	--	--	--	--	--	--	--	
	02/12/2004	--	--	11.56	--	--	--	--	--	--	--	--	--	
	05/14/2004	--	--	12.51	--	--	--	--	--	--	--	--	--	Not Sampled
	08/17/2004	--	--	11.61	--	<50	--	<0.50	<0.50	<0.50	<0.50	12 J	0.2	
	11/12/2004	NP	--	11.61	--	NS	--	NS	NS	NS	NS	NS	--	0.04 ft free product present, Not sampled
	SV-4	11/19/2001	--	--	12.40	--	NS	--	NS	NS	NS	NS	--	Sheen, Not sampled
	2/19/2002	--	--	10.75	--	NS	--	NS	NS	NS	NS	NS	--	

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	P/ NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Water Level Elevation (feet msl)	TPHg (µg/L)	TPHd (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethy-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)	DO (mg/L)	Comments	
SV-4	6/20/2002	--	--	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled	
	8/21/2002	--	--	NM	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled	
	11/19/2002	--	--	11.89	--	NS	--	NS	NS	NS	NS	NS	--	Not sampled	
	02/12/2003	--	--	--	--	--	--	--	--	--	--	--	--		
	05/14/2003	--	--	--	--	--	--	--	--	--	--	--	--		
	08/13/2003	--	--	12.52	--	--	--	--	--	--	--	--	--		
	11/13/2003	P	--	13.66	--	50,000	--	8,400	<100	5,400	17,000	1,500	1.2		
	02/12/2004	--	--	10.62	--	--	--	--	--	--	--	--	--		
	05/14/2004	--	--	11.68	--	--	--	--	--	--	--	--	--		
	08/17/2004	--	--	12.62	--	--	--	--	--	--	--	--	--	Not Sampled	
	11/12/2004	NP	--	11.69	--	36,000	J	--	8,100	J	<100	3,400	J	1,100 J	0.2

Table 1

Groundwater Elevation and Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

TPH = Total petroleum hydrocarbons
MTBE = Methyl tertiary butyl ether
µg/L = Micrograms per liter
P = Purge
NP = No Purge
MSL = Mean Sea Level
TOC = Top of Casing
NS = Not sampled

a = Chromatogram Pattern: Unidentified Hydrocarbons C6-C11
b = Chromatogram Pattern: Weathered Gasoline C6-C12 + Unidentified Hydrocarbons C6-C12
c = This result is from a second dilution of the sample.
d = Confirmed by using EPA Method 8260
e = Depth to water measured 1/12/0198.
f = Depth to water measured 2/18/00.
g = Well could not be opened.
h = Analyzed by gasoline range organics (GRO) beginning first quarter 2004 (method 8015B)

Data Qualifier Definitions:

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
R = The sample results are rejected due to serious deficiencies in the ability to analyze the sample i.e., the presence or absence of the analyte cannot be verified or the analyte identification has been rejected (i.e., the presence of the analyte cannot be verified).

Source : The data within this table collected prior to August 2002 was provided to URS by Group Environmental Management Company and their previous consultants. URS has not verified the accuracy of this information.

Table 2

Fuel Oxygenates Analytical Data
 ARCO Service Station No. 1341
 8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MtBE (µg/L)	DPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Comments
AS-1	02/12/2003	--	--	--	--	--	--	--	--	Not Sampled
	05/14/2003	--	--	--	--	--	--	--	--	Not Sampled
	08/13/2003	--	--	--	--	--	--	--	--	Not Sampled
	11/13/2003	<50,000	<10,000	600	<50	<50	<50	<25	<25	
	02/12/2004	--	--	--	--	--	--	--	--	Not Sampled
	05/14/2004	--	--	--	--	--	--	--	--	Not Sampled
	08/17/2004	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	<10,000	<10,000 UJ	670 J	<100	<100	<100	<50	<50	<50
MW-1A	02/12/2003	<4,000	<2,000	950	<50	<50	<50	--	--	--
	05/14/2003	<50,000 UJ	<10,000 UJ	670 J	<500	<500	<500	--	--	--
	08/13/2003	<50,000	<10,000	840	<500	<500	<500	<250	<250	
	11/13/2003	<20,000	<4,000	600	<200	<200	<200	<100	<100	
	02/12/2004	<25,000	<5,000	430	<250	<250	<250	<120	<120	
	05/14/2004	<50,000	<10,000	480	<500	<500	<500	<250	<250	
	08/17/2004	<25,000	<5,000	430	<250	<250	<250	<120	<120	
	11/12/2004	<10,000	<10,000 UJ	530 J	<100	<100	<100	<50	<50	
MW-2	02/12/2003	<4,000	<2,000	490	<50	<50	<50	--	--	--
	05/14/2003	<5,000 UJ	<1,000 UJ	600 J	<50	<50	<50	--	--	--
	08/13/2003	<5,000	<1,000	700	<50	<50	<50	<25	<25	
	11/13/2003	<5,000	<1,000	540	<50	<50	<50	<25	<25	
	02/12/2004	<1,000	560	220	<10	<10	<10	<5.0	<5.0	
	05/14/2004	<10,000	<2,000	220	<100	<100	<100	<50	<50	
	08/17/2004	<5,000	<1,000	260	<50	<50	<50	<25	<25	
	11/12/2004	<2,500	87,000 J	180	<25	<25	<25	<12	<12	
MW-3	02/12/2003	<40	<20	0.66	<0.50	<0.50	<0.50	--	--	--
	05/14/2003	<100 UJ	<20 UJ	<0.50	<1.0	<1.0	<1.0	--	--	--
	08/13/2003	<500	<100	83	<5.0	<5.0	<5.0	<2.5	<2.5	
	11/13/2003	<1,000	<200	230	<10	<10	<10	<5.0	<5.0	
	02/12/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	
	05/14/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	
	08/17/2004	<100	<20	30	<1.0	<1.0	<1.0	<0.50	<0.50	
	11/12/2004	<100	<200 UJ	120 J	<1.0	<1.0	<1.0	<0.50	<0.50	

Table 2

Fuel Oxygenates Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	Ethanol ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)	MtBE ($\mu\text{g/L}$)	DPE ($\mu\text{g/L}$)	EBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	Comments
MW-4	02/12/2003	<40	<20	220	<0.50	<0.50	1.1	—	—	—
	05/14/2003	<2,000 UJ	<400 UJ	700 J	<20	<20	<20	—	—	—
	08/13/2003	<100	<20	1.2	<1.0	<1.0	<1.0	<0.50	<0.50	—
	11/13/2003	<100	<20	12	<1.0	<1.0	<1.0	<0.50	<0.50	—
	02/12/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	—
	05/14/2004	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	—
	08/17/2004	<100	<20	11	<1.0	<1.0	<1.0	<0.50	<0.50	—
	11/12/2004	<100 UJ	<20 UJ	0.81 J	<1.0 UJ	<1.0 UJ	<1.0 UJ	<0.50	<0.50 UJ	<0.50 UJ
MW-5	02/12/2003	—	—	—	—	—	—	—	—	Well Inaccessible
	05/14/2003	—	—	—	—	—	—	—	—	Well Inaccessible
	08/13/2003	—	—	—	—	—	—	—	—	Well Inaccessible
	11/13/2003	—	—	—	—	—	—	—	—	Well Inaccessible
	02/12/2004	—	—	—	—	—	—	—	—	—
	05/14/2004	<2,000	<400	370	<20	<20	<20	<10	<10	—
	08/17/2004	—	—	—	—	—	—	—	—	Not Sampled
	11/12/2004	—	—	—	—	—	—	—	—	Not Sampled
MW-6	02/12/2003	<400	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	—
	05/14/2003	<1,000 UJ	1,000 J	44 J	<10	<10	<10	—	—	—
	08/13/2003	<500	<100	21	<5.0	<5.0	<5.0	<2.5	<2.5	—
	11/13/2003	<500	<100	12	<5.0	<5.0	<5.0	<2.5	<2.5	—
	02/12/2004	<100	<20	3.9	<1.0	<1.0	<1.0	<0.50	<0.50	—
	05/14/2004	<500	<100	9.8	<5.0	<5.0	<5.0	<2.5	<2.5	—
	08/17/2004	<100	<20	6.4	<1.0	<1.0	<1.0	<0.50	<0.50	—
	11/12/2004	<500	<100 UJ	31 J	<5.0	<5.0	<5.0	<2.5	<2.5	—
MW-7	02/12/2003	—	—	—	—	—	—	—	—	—
	05/14/2003	<10,000 UJ	<4,000	1,100	<100	<100	<100	—	—	—
	08/13/2003	—	—	—	—	—	—	—	—	—
	02/12/2004	—	—	—	—	—	—	—	—	—
	05/14/2004	<2,500	<500	530	<25	<25	<25	<12	<12	—
	08/17/2004	—	—	—	—	—	—	—	—	Not Sampled
	11/12/2004	—	—	—	—	—	—	—	—	Not Sampled
MW-8	02/12/2003	<4,000	<2,000	2,300	<50	<50	<50	—	—	—

Report Date: January 11, 2005

Table 2

Fuel Oxygenates Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MtBE (µg/L)	DPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Comments
MW-8	05/14/2003	<10,000 UJ	<2,000 UJ	4,900 J	<100	<100	<100	--	--	
	08/13/2003	<10,000	<2,000	4,700	<100	<100	<100	<50	<50	
	11/13/2003	<10,000	<2,000	3,900	<100	<100	<100	<50	<50	
	02/12/2004	<2,500	2,200	800	<25	<25	<25	<12	<12	
	05/14/2004	<2,500	2,800	250	<25	<25	<25	<12	<12	
	08/17/2004	<100	3,500	33	<1.0	<1.0	<1.0	<0.50	<0.50	
	11/12/2004	<100	1,600 J	<50 UJ	<1.0	<1.0	<1.0	<0.50	<0.50	
MW-9	02/12/2003	<40	<20	3.4	<0.50	<0.50	<0.50	--	--	
	05/14/2003	<100 UJ	<20 UJ	4.4 J	<1.0	<1.0	<1.0	--	--	
	08/13/2003	<200	<40	42	15	<2.0	<2.0	<1.0	<1.0	
	11/13/2003	<100	<20	49	6.4	<1.0	<1.0	<0.50	<0.50	
	02/12/2004	<100	<20	8.0	<1.0	<1.0	<1.0	<0.50	<0.50	
	05/14/2004	<100	<20	21	11	<1.0	<1.0	<0.50	<0.50	
	08/17/2004	<100	<20	17	23	<1.0	<1.0	<0.50	<0.50	
	11/12/2004	<100 UJ	<20 UJ	39 J	25 J	<1.0 UJ	<1.0 UJ	<0.50 UJ	<0.50 UJ	
MW-10	02/12/2003	<40	45	88	<0.50	<0.50	2.3	--	--	
	05/14/2003	<200 UJ	<40 UJ	78 J	<2.0 UJ	<2.0 UJ	<2.0 UJ	--	--	
	08/13/2003	<250	<50	82	<2.5	<2.5	<2.5	<1.2	<1.2	
	11/13/2003	<100	<20	4.6	<1.0	<1.0	<1.0	<0.50	<0.50	
	02/12/2004	<100	40	77	<1.0	<1.0	1.8	<0.50	<0.50	
	05/14/2004	<500	<100	64	<5.0	<5.0	<5.0	<2.5	<2.5	
	08/17/2004	<100	<20	20	<1.0	<1.0	<1.0	<0.50	<0.50	
	11/12/2004	<100	48 J	87 J	<1.0	<1.0	1.9	<0.50	<0.50	
SV-1	02/12/2003	--	--	--	--	--	--	--	--	
	05/14/2003	--	--	--	--	--	--	--	--	
	08/13/2003	--	--	--	--	--	--	--	--	
	11/13/2003	<500	9,300	96	<5.0	<5.0	<5.0	<2.5	<2.5	
	02/12/2004	--	--	--	--	--	--	--	--	
	05/14/2004	--	--	--	--	--	--	--	--	
	08/17/2004	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	<100	16,000 J	<50 UJ	1.0	<1.0	1.4	<0.50	<0.50	
SV-2	02/12/2003	--	--	--	--	--	--	--	--	

Table 2

Fuel Oxygenates Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

Well Number	Date Sampled	Ethanol ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)	MtBE ($\mu\text{g/L}$)	DPE ($\mu\text{g/L}$)	EtBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	Comments
SV-2	05/14/2003	--	--	--	--	--	--	--	--	--
	08/13/2003	--	--	--	--	--	--	--	--	--
	11/13/2003	<20,000	<4,000	9,800	<200	<200	200	<100	<100	
	02/12/2004	--	--	--	--	--	--	--	--	
	05/14/2004	--	--	--	--	--	--	--	--	
	08/17/2004	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	<10,000	8,700	480	<100	<100	<100	<50	<50	
SV-3	02/12/2003	--	--	--	--	--	--	--	--	--
	05/14/2003	--	--	--	--	--	--	--	--	--
	08/13/2003	--	--	--	--	--	--	--	--	--
	11/13/2003	<500	2,100	9.8	<5.0	<5.0	<5.0	<2.5	<2.5	
	02/12/2004	--	--	--	--	--	--	--	--	
	05/14/2004	--	--	--	--	--	--	--	--	
	08/17/2004	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	<100	650 J	12 J	<1.0	<1.0	<1.0	<0.50	<0.50	
SV-4	02/12/2003	--	--	--	--	--	--	--	--	--
	05/14/2003	--	--	--	--	--	--	--	--	--
	08/13/2003	--	--	--	--	--	--	--	--	--
	11/13/2003	<20,000	<4,000	1,500	<200	<200	<200	<100	<100	
	02/12/2004	--	--	--	--	--	--	--	--	
	05/14/2004	--	--	--	--	--	--	--	--	
	08/17/2004	--	--	--	--	--	--	--	--	Not Sampled
	11/12/2004	<20,000	<4,000	1,100 J	<200	<200	<200	<100	<100	

Table 2

Fuel Oxygenates Analytical Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

NOTE S:
All fuel oxygenate compounds analyzed using EPA Method 8260B

DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
MTBE = Methyl tert-butyl ether
NA = Data not available, not analyzed, or not applicable
< = Less than laboratory reporting limit
NS = Not Sampled
TAME = tert-Amyl methyl ether
µg/L = micrograms per liter
TBA = tert-Butyl alcohol

Table 3

Historical Volatile Organic Compound Data
ARCO Service Station No. 1341
8505 Gravenstein Highway, Cotati, CA

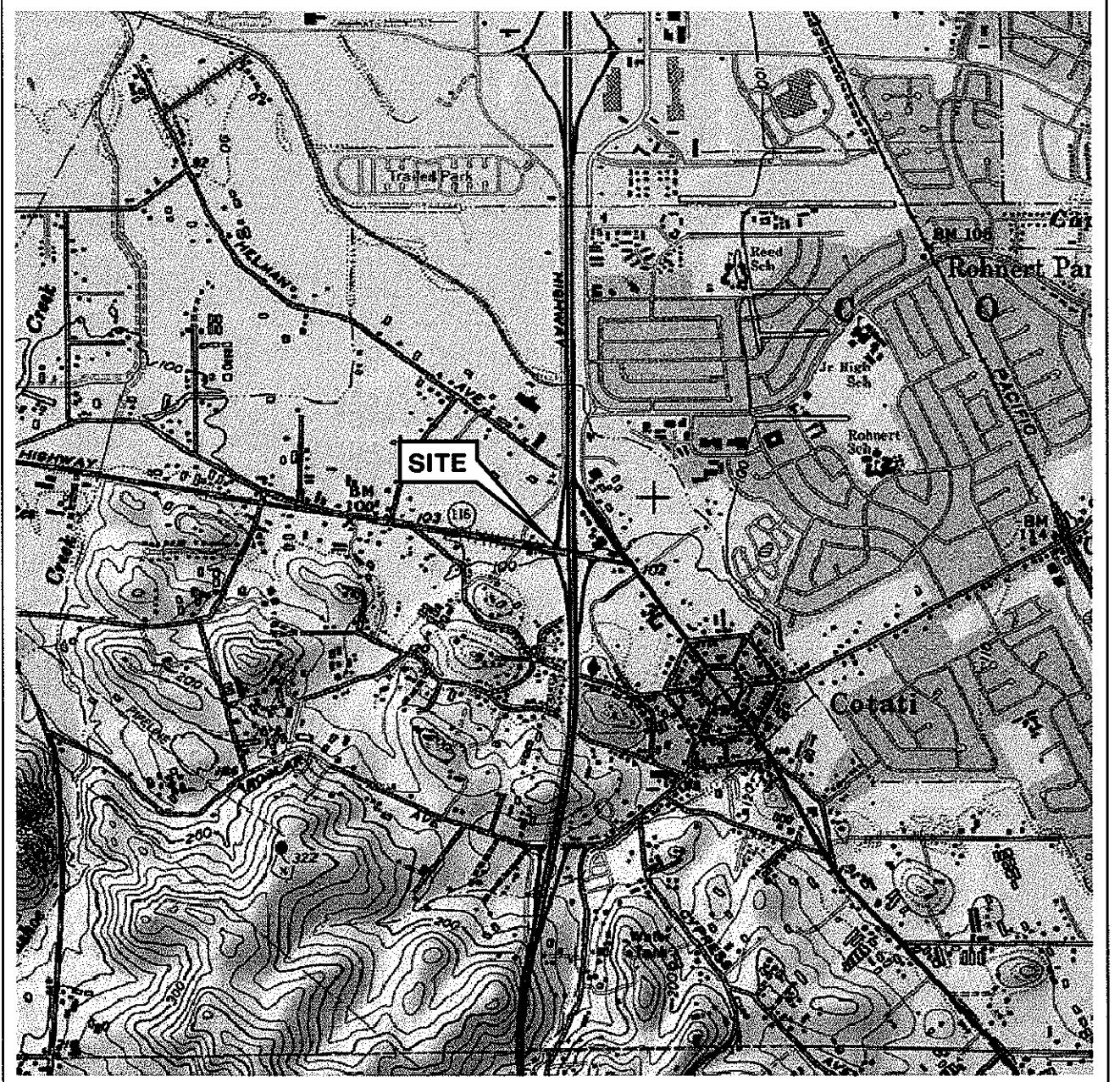
Well Number	Date Sampled	DCE12C ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	IPBZ ($\mu\text{g/L}$)	PBZN ($\mu\text{g/L}$)	TMB135 ($\mu\text{g/L}$)	TMB124 ($\mu\text{g/L}$)	BTBZS ($\mu\text{g/L}$)	CYMB ($\mu\text{g/L}$)	BTBZN ($\mu\text{g/L}$)	NAPH ($\mu\text{g/L}$)
MW-1A	8/5/1999	1	610	35	270	720	110	240	35	5	67	1,700
	11/18/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	8/5/1999	<0.5	<50	<5	<2	<2	<2	<2	<2	<2	<2	17
	11/18/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	8/5/1999	<1	<100	<10	47	130	<4	<4	<4	<4	<4	310
	11/18/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	8/5/1999	<0.5	<50	<5	<2	<2	<2	<2	<2	<2	<2	5
	11/18/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	8/5/1999	<0.5	<50	<5	<2	<2	<2	<2	<2	<2	<2	<2
	11/18/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	8/5/1999	<2.5	<250	<25	<10	<10	<10	<10	<10	<10	<10	<10
	11/18/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10	8/5/1999	<0.5	<50	<5	<2	<2	<2	<2	<2	<2	<2	<2
	11/18/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

< = Not detected at or above specified laboratory method detection limit
NA = Not analyzed
($\mu\text{g/L}$) = Micrograms per liter

DCE12C = cis-1,2-Dichloroethene
TBA = tert-Butyl Alcohol
IPBZ = Isopropyl-benzene
PBZN = n-Propyl-benzene
TMB135 = 1,3,5-Trimethyl-benzene
TMB124 = 1,2,4-Trimethyl-benzene
BTBZS = sec-Butyl-benzene
CYMP = 4-Isopropyl-toluene
NAPH = Naphthalene

FIGURES



0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Cotati Quadrangle

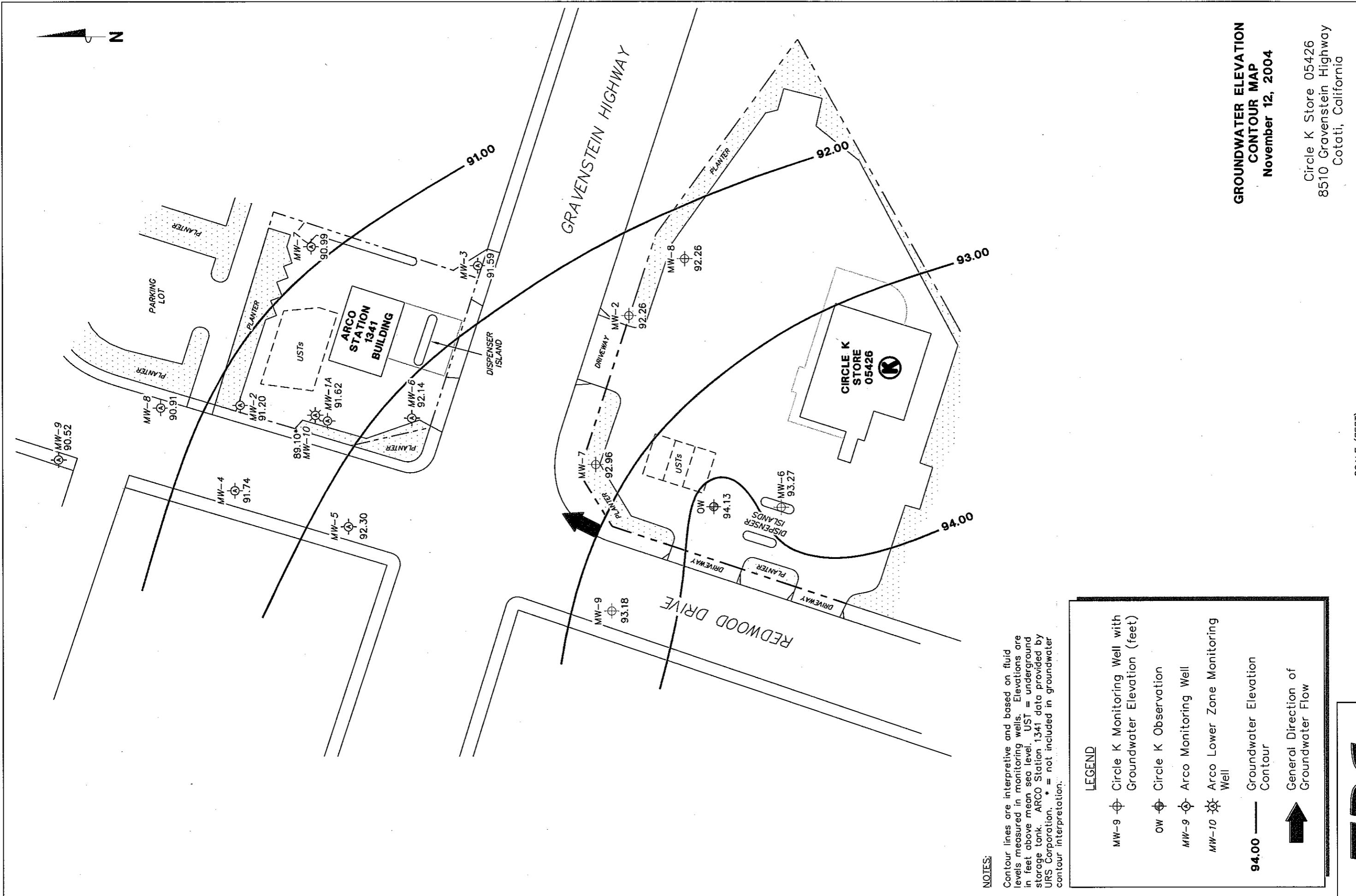


VICINITY MAP

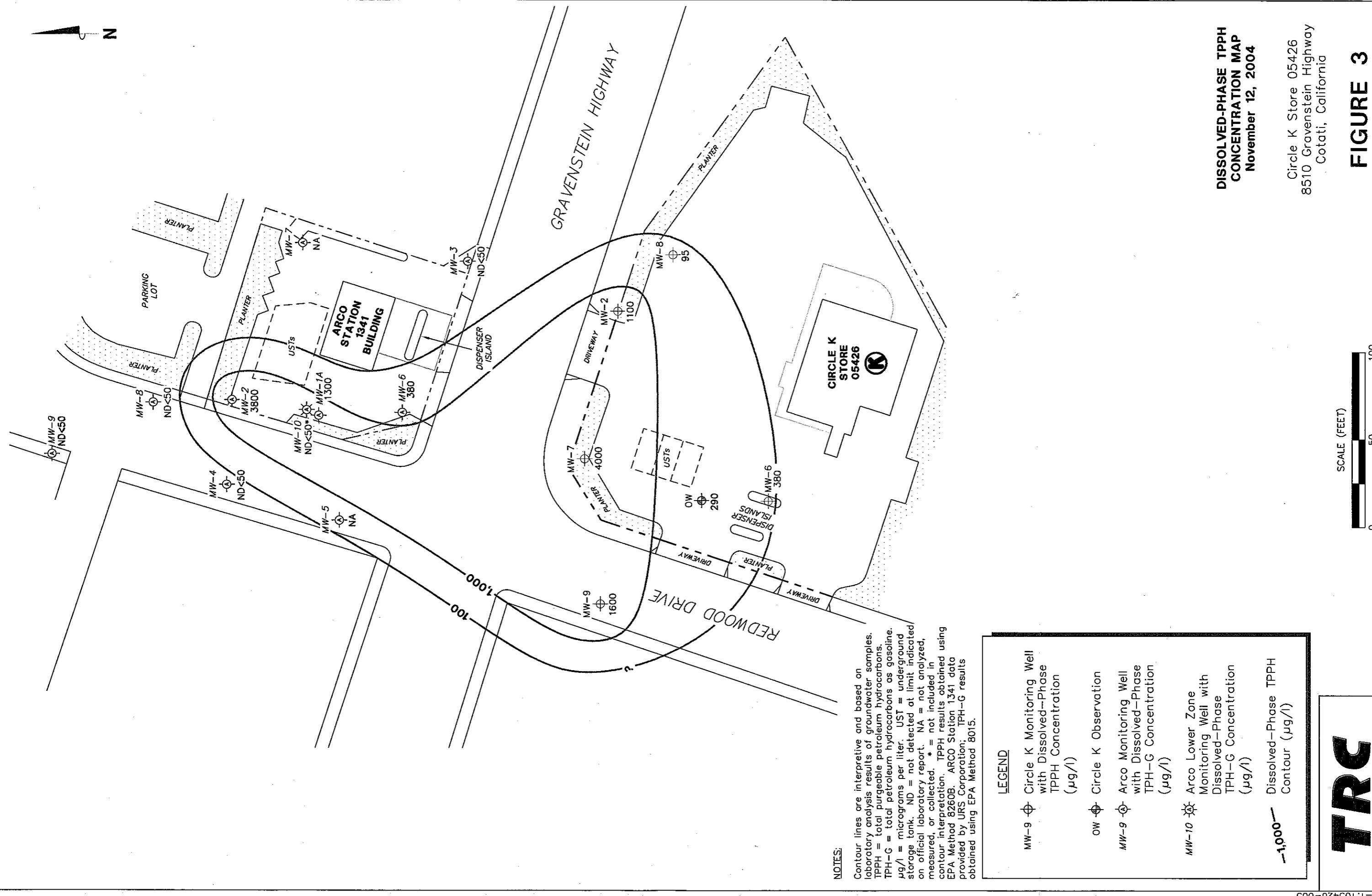
Circle K Store 05426
8510 Gravenstein Highway
Cotati, California

TRC

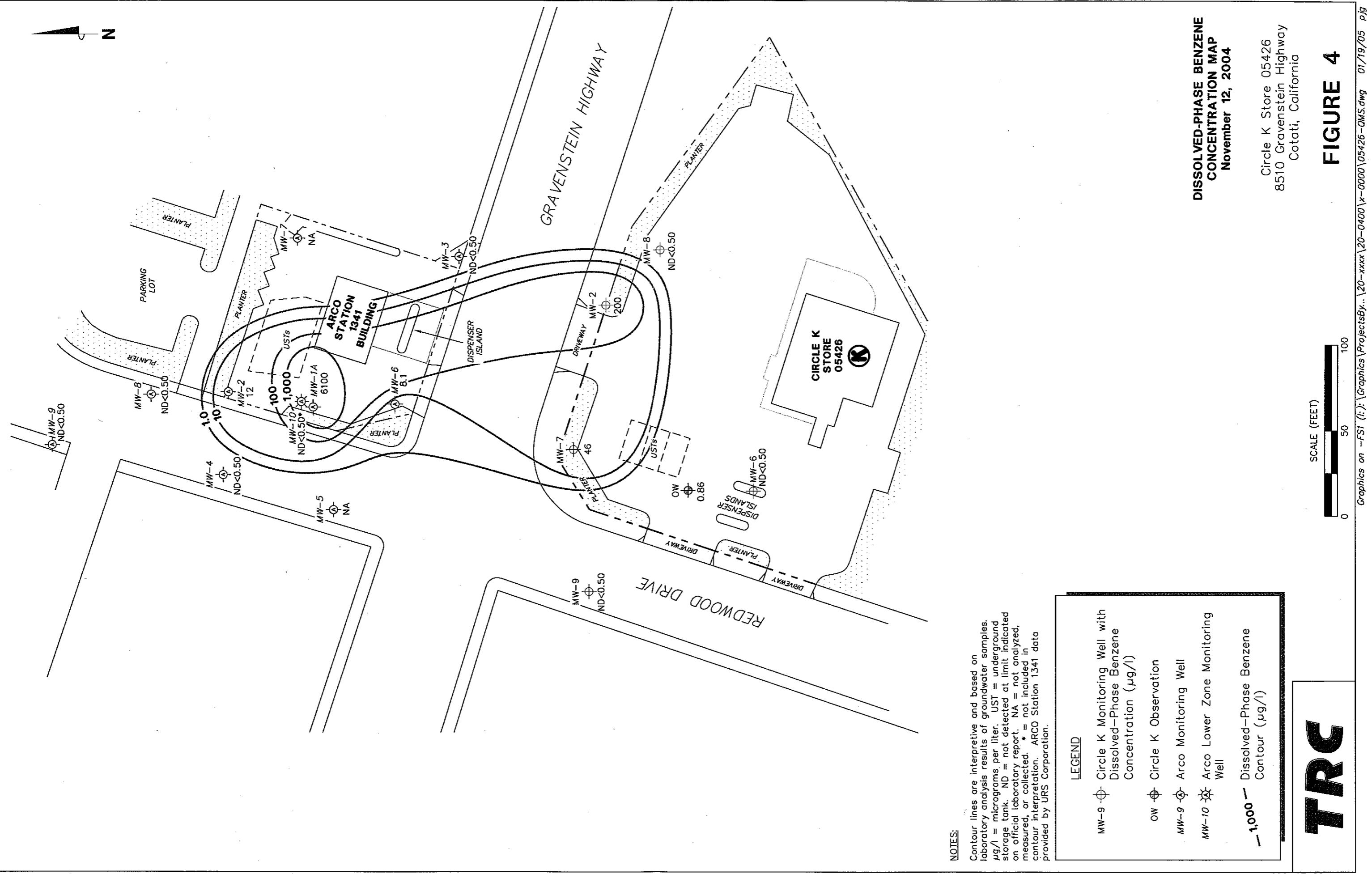
FIGURE 1

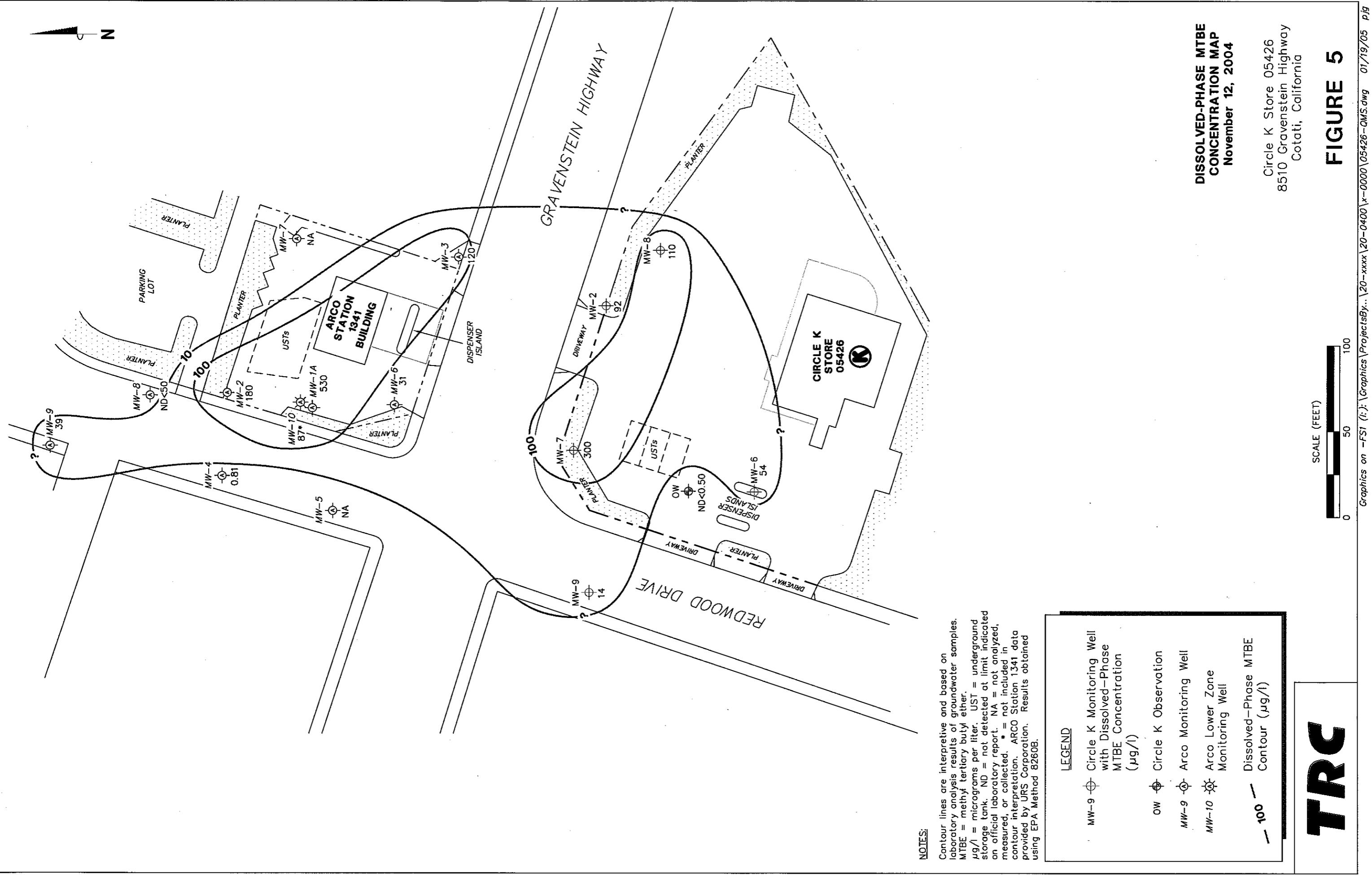


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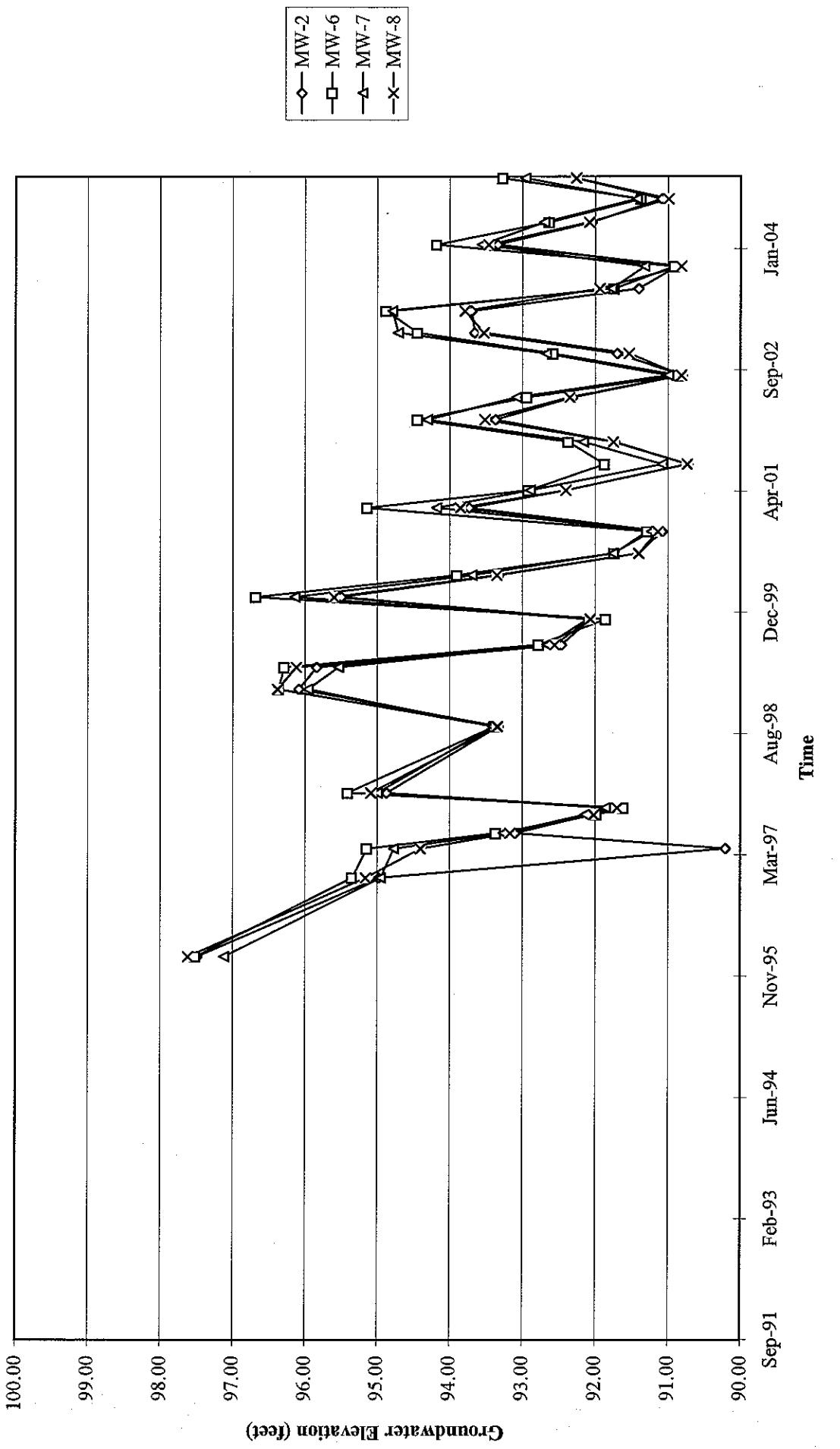
TRC



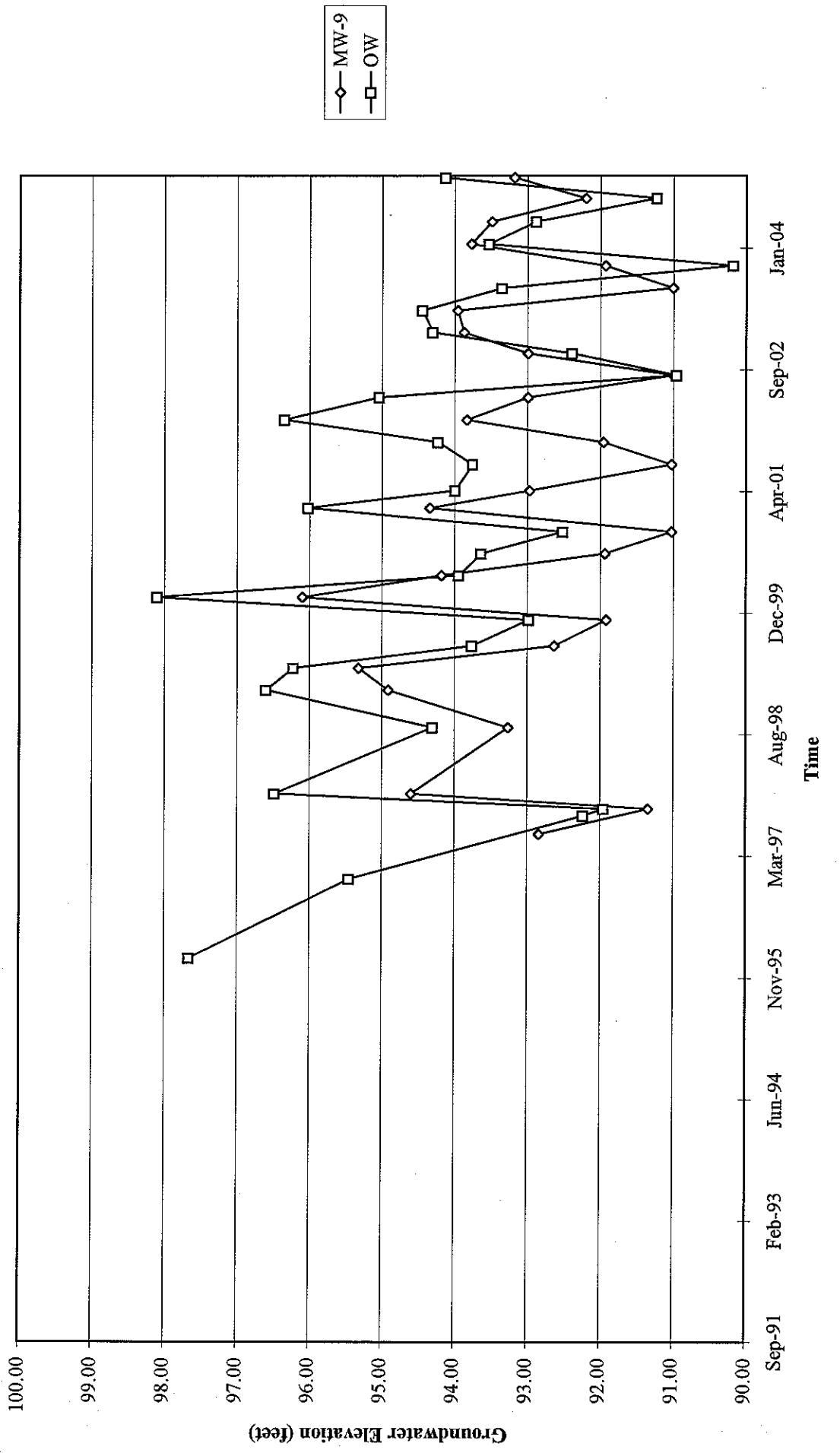


GRAPHS

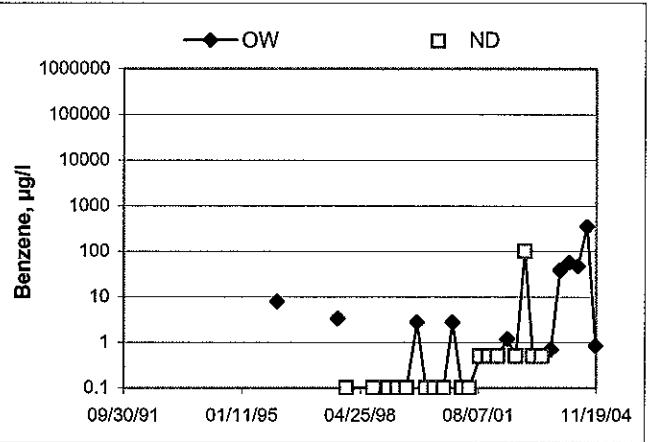
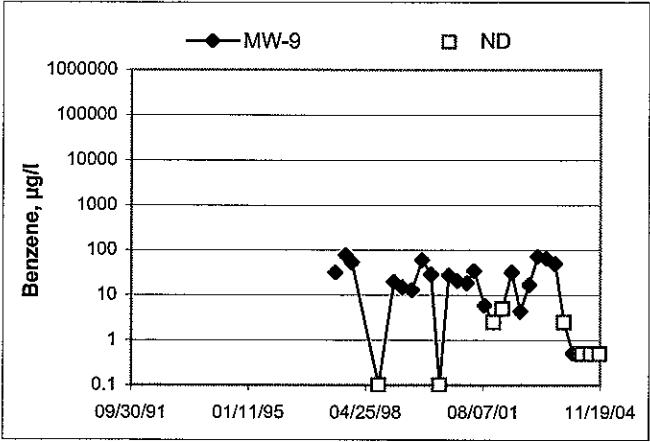
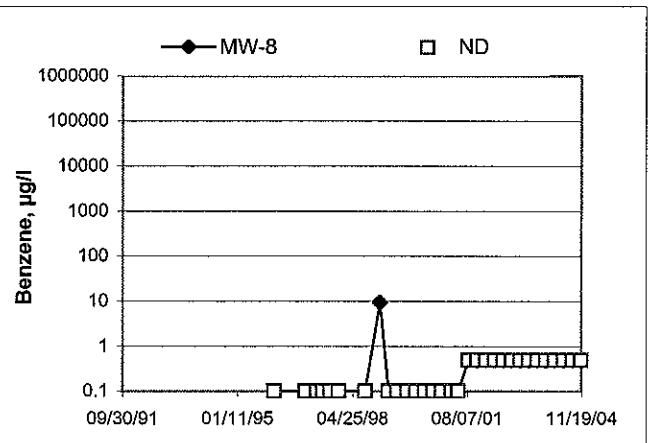
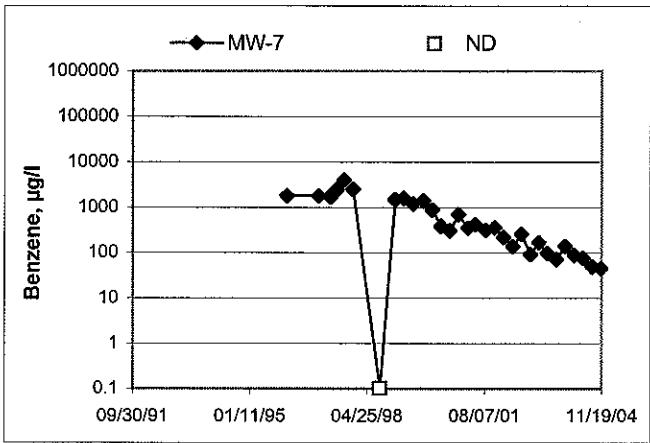
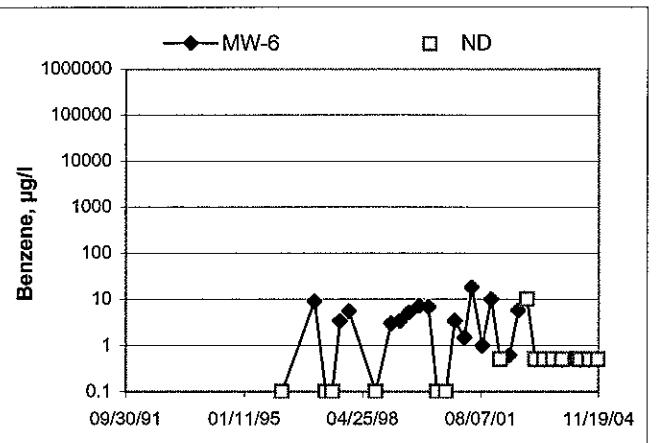
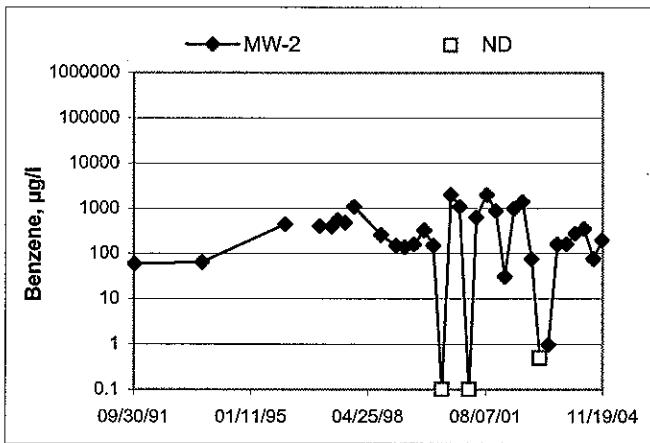
Groundwater Elevations vs. Time
Circle K Store 05426



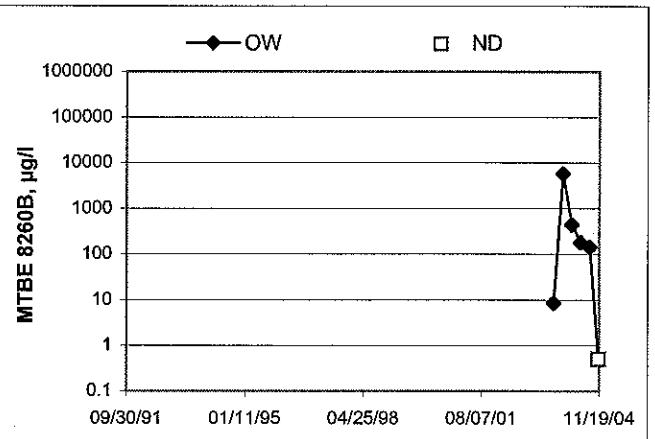
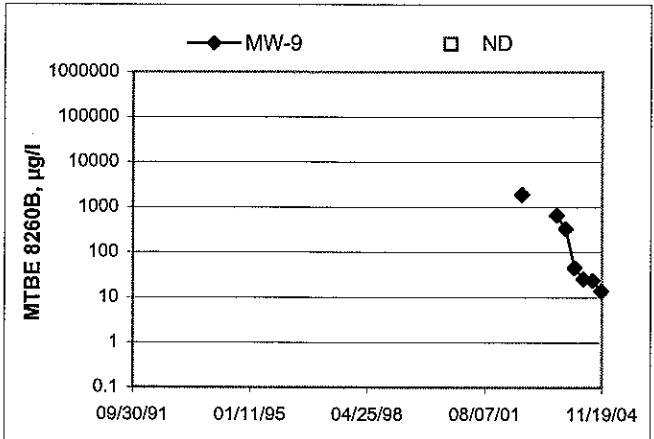
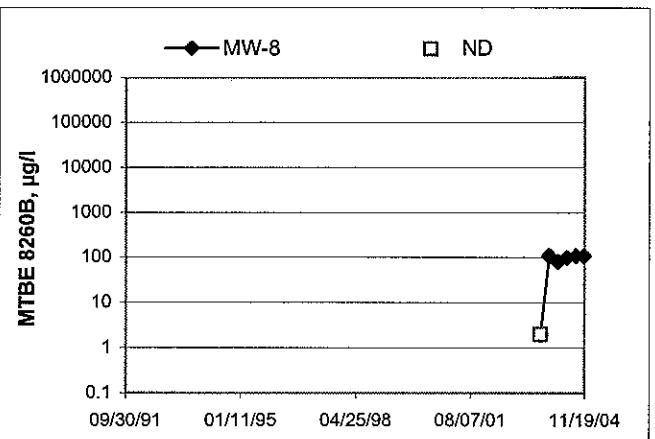
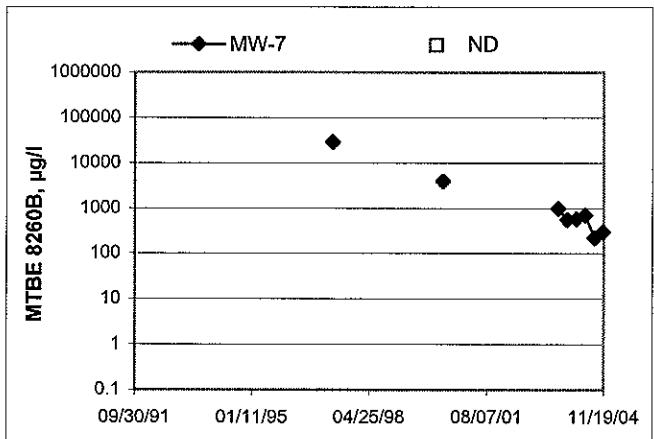
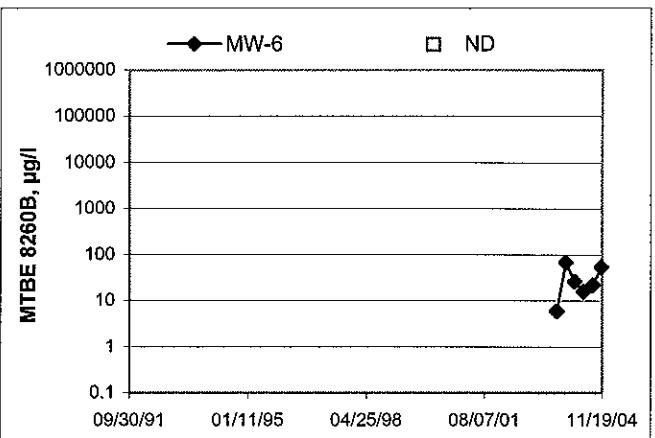
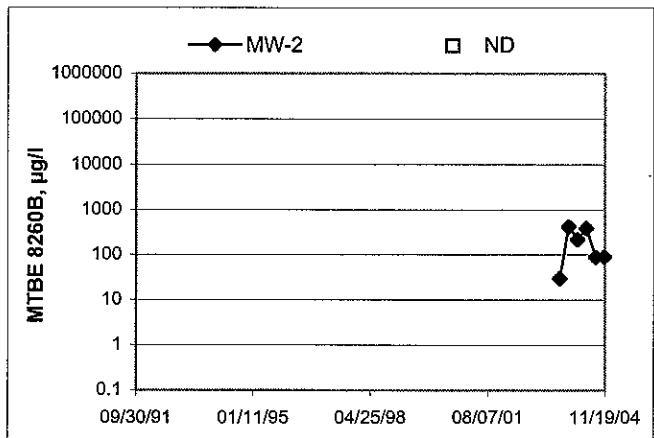
Groundwater Elevations vs. Time
Circle K Store 05426



Benzene Concentrations vs Time
Circle K Store 05426



MTBE 8260B Concentrations vs Time
Circle K Store 05426



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage, or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, $\frac{1}{2}$ -inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging, and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least-affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected well to the most-affected well.

Decontamination

In order to reduce the possibility of cross-contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: Travis U.

Job #/Task #: 4105001/FA20

Date: 11-12-04

Site # 05426

Project Manager Thomas H. Kosef TV

Page 1 of 1

GROUNDWATER SAMPLING FIELD NOTES

Technician: Travis U.

Site: 05426

Well No.: M W-8

Depth to Water (feet): 10.94

Total Depth (feet): 19.23

Water Column (feet): 8.29

80% Recharge Depth (feet): 12.59

Purge Method: Dia

Depth to Product (feet): 10

LPH & Water Recovered (gallons):

Casing Diameter (Inches): 2

1 Well Volume (gallons): 1

Well No.: MW-2

Depth to Water (feet): 10.72

Total Depth (feet): 21.58

Water Column (feet): 10.86

80% Recharge Depth (feet): 12.89

Purge Method: Dic

Depth to Product (feet): 10

LPH & Water Recovered (gallons): 0

Casing Diameter (Inches): 3

1 Well Volume (gallons): 4

GROUNDWATER SAMPLING FIELD NOTES

Technician: Travis-U.

Site: 05426

Project No.: 41050001/FA20

Date: 11-12-04

Well No.: MW-7

Purge Method: Dia

Depth to Water (feet): 10.86

Depth to Product (feet): 8

Total Depth (feet): 20.04

LPH & Water Recovered (gallons): 0

Water Column (feet): 9, 18

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 12.69

1 Well Volume (gallons): 2

Well No.: MW-6

Purge Method: Dia

Depth to Water (feet): 10.98

Depth to Product (feet): 10

Total Depth (feet): 19.95

LPH & Water Recovered (gallons): ✓

Water Column (feet): 3.97

Casing Diameter (Inches): 2"

GROUNDWATER SAMPLING FIELD NOTES

Site: 05426

Technician: UPEN

Project No.: 41040001

Date: 11/12/04

Well No.: 342-9

Purge Method: _____

Depth to Water (feet): 9.46

Depth to Product (feet): 8

Total Depth (feet): 17.09

LPH & Water Recovered (gallons): 6

Water Column (feet): 7.63

Casing Diameter (Inches): 3 1/2

80% Recharge Depth (feet): 10.48

1 Well Volume (gallons): _____

Well No.: Ok

Purge Method: _____

Depth to Water (feet): 96.5

Depth to Product (feet): 0

Total Depth (feet): 12.50

LPH & Water Recovered (gallons): 8

Water Column (feet): 7.15

Casing Diameter (Inches): 7

TRC Alton Geoscience- Irvine

December 02, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20
Project: Conoco Phillips # 05426
Site: 8510 Gravenstein Highway

Attached is our report for your samples received on 11/15/2004 11:46
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
12/30/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,



Dimple Sharma
Project Manager

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-8	11/12/2004 10:39	Water	1
MW-2	11/12/2004 11:10	Water	2
MW-7	11/12/2004 11:34	Water	3
MW-6	11/12/2004 12:03	Water	4
MW-9	11/12/2004 10:05	Water	5
OW	11/12/2004 11:48	Water	6

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience- Irvine

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Prep(s):	5030B	Test(s):	8260B			
Sample ID:	MW-8	Lab ID:	2004-11-0478 - 1			
Sampled:	11/12/2004 10:39	Extracted:	11/26/2004 09:46			
Matrix:	Water	QC Batch#:	2004/11/26-1A.66			
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	95	50	ug/L	1.00	11/26/2004 09:46	Q1
Benzene	ND	0.50	ug/L	1.00	11/26/2004 09:46	
Toluene	ND	0.50	ug/L	1.00	11/26/2004 09:46	
Ethylbenzene	ND	0.50	ug/L	1.00	11/26/2004 09:46	
Total xylenes	ND	1.0	ug/L	1.00	11/26/2004 09:46	
Methyl tert-butyl ether (MTBE)	110	0.50	ug/L	1.00	11/26/2004 09:46	
Surrogate(s)						
1,2-Dichloroethane-d4	106.1	72-128	%	1.00	11/26/2004 09:46	
Toluene-d8	97.9	80-113	%	1.00	11/26/2004 09:46	

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-2	Lab ID:	2004-11-0478 - 2
Sampled:	11/12/2004 11:10	Extracted:	11/26/2004 10:31
Matrix:	Water	QC Batch#:	2004/11/26-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1100	50	ug/L	1.00	11/26/2004 10:31	
Benzene	200	0.50	ug/L	1.00	11/26/2004 10:31	
Toluene	1.5	0.50	ug/L	1.00	11/26/2004 10:31	
Ethylbenzene	14	0.50	ug/L	1.00	11/26/2004 10:31	
Total xylenes	27	1.0	ug/L	1.00	11/26/2004 10:31	
Methyl tert-butyl ether (MTBE)	92	0.50	ug/L	1.00	11/26/2004 10:31	
Surrogate(s)						
1,2-Dichloroethane-d4	103.3	72-128	%	1.00	11/26/2004 10:31	
Toluene-d8	98.6	80-113	%	1.00	11/26/2004 10:31	

Gas/BTEX/MTBE by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Prep(s):

5030B

Test(s):

8260B

Sample ID: MW-7

Lab ID:

2004-11-0478 - 3

Sampled: 11/12/2004 11:34

Extracted:

11/26/2004 10:54

Matrix: Water

QC Batch#:

2004/11/26-1A.66

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4000	100	ug/L	2.00	11/26/2004 10:54	
Benzene	46	1.0	ug/L	2.00	11/26/2004 10:54	
Toluene	ND	1.0	ug/L	2.00	11/26/2004 10:54	
Ethylbenzene	71	1.0	ug/L	2.00	11/26/2004 10:54	
Total xylenes	25	2.0	ug/L	2.00	11/26/2004 10:54	
Methyl tert-butyl ether (MTBE)	300	1.0	ug/L	2.00	11/26/2004 10:54	
Surrogate(s)						
1,2-Dichloroethane-d4	105.4	72-128	%	2.00	11/26/2004 10:54	
Toluene-d8	95.6	80-113	%	2.00	11/26/2004 10:54	

Gas/BTEX/MTBE by 8260B

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Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Prep(s):	5030B	Test(s):	8260B			
Sample ID:	MW-6	Lab ID:	2004-11-0478 - 4			
Sampled:	11/12/2004 12:03	Extracted:	11/26/2004 11:16			
Matrix:	Water	QC Batch#:	2004/11/26-1A.66			
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	380	50	ug/L	1.00	11/26/2004 11:16	Q1
Benzene	ND	0.50	ug/L	1.00	11/26/2004 11:16	
Toluene	ND	0.50	ug/L	1.00	11/26/2004 11:16	
Ethylbenzene	ND	0.50	ug/L	1.00	11/26/2004 11:16	
Total xylenes	ND	1.0	ug/L	1.00	11/26/2004 11:16	
Methyl tert-butyl ether (MTBE)	54	0.50	ug/L	1.00	11/26/2004 11:16	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	106.6	72-128	%	1.00	11/26/2004 11:16	
Toluene-d8	97.2	80-113	%	1.00	11/26/2004 11:16	

Gas/BTEX/MTBE by 8260B

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Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Prep(s):	5030B	Test(s):	8260B			
Sample ID:	MW-9	Lab ID:	2004-11-0478 - 5			
Sampled:	11/12/2004 10:05	Extracted:	11/26/2004 11:38			
Matrix:	Water	QC Batch#:	2004/11/26-1A.66			
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1600	50	ug/L	1.00	11/26/2004 11:38	
Benzene	ND	0.50	ug/L	1.00	11/26/2004 11:38	
Toluene	ND	0.50	ug/L	1.00	11/26/2004 11:38	
Ethylbenzene	2.9	0.50	ug/L	1.00	11/26/2004 11:38	
Total xylenes	ND	1.0	ug/L	1.00	11/26/2004 11:38	
Methyl tert-butyl ether (MTBE)	14	0.50	ug/L	1.00	11/26/2004 11:38	
Surrogate(s)						
1,2-Dichloroethane-d4	104.4	72-128	%	1.00	11/26/2004 11:38	
Toluene-d8	96.5	80-113	%	1.00	11/26/2004 11:38	

Gas/BTEX/MTBE by 8260B

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Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Prep(s):	5030B	Test(s):	8260B			
Sample ID:	OW	Lab ID:	2004-11-0478 - 6			
Sampled:	11/12/2004 11:48	Extracted:	11/26/2004 12:00			
Matrix:	Water	QC Batch#:	2004/11/26-1A.66			
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	290	50	ug/L	1.00	11/26/2004 12:00	
Benzene	0.86	0.50	ug/L	1.00	11/26/2004 12:00	
Toluene	ND	0.50	ug/L	1.00	11/26/2004 12:00	
Ethylbenzene	ND	0.50	ug/L	1.00	11/26/2004 12:00	
Total xylenes	2.3	1.0	ug/L	1.00	11/26/2004 12:00	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/26/2004 12:00	
Surrogate(s)						
1,2-Dichloroethane-d4	108.8	72-128	%	1.00	11/26/2004 12:00	
Toluene-d8	100.7	80-113	%	1.00	11/26/2004 12:00	

Gas/BTEX/MTBE by 8260B

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank**Water****QC Batch # 2004/11/26-1A.66**

MB: 2004/11/26-1A.66-025

Date Extracted: 11/26/2004 07:25

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	11/26/2004 07:25	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/26/2004 07:25	
Benzene	ND	0.5	ug/L	11/26/2004 07:25	
Toluene	ND	0.5	ug/L	11/26/2004 07:25	
Ethylbenzene	ND	0.5	ug/L	11/26/2004 07:25	
Total xylenes	ND	1.0	ug/L	11/26/2004 07:25	
Surrogates(s)					
1,2-Dichloroethane-d4	95.8	72-128	%	11/26/2004 07:25	
Toluene-d8	95.0	80-113	%	11/26/2004 07:25	

Gas/BTEX/MTBE by 8260B

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Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike**Water****QC Batch # 2004/11/26-1A.66**

LCS 2004/11/26-1A.66-002

Extracted: 11/26/2004

Analyzed: 11/26/2004 07:02

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.7		25	94.8		65-165	20			
Benzene	25.0		25	100.0		69-129	20			
Toluene	25.4		25	101.6		70-130	20			
Surrogates(s)										
1,2-Dichloroethane-d4	477		500	95.4		72-128				
Toluene-d8	457		500	91.4		80-113				

Gas/BTEX/MTBE by 8260B

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)**Water****QC Batch # 2004/11/26-1A.66**

MS/MSD

Lab ID: 2004-11-0499 - 004

MS: 2004/11/26-1A.66-001

Extracted: 11/26/2004

Analyzed: 11/26/2004 09:01

MSD: 2004/11/26-1A.66-024

Extracted: 11/26/2004

Dilution: 1.00

Analyzed: 11/26/2004 09:24

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	26.2	30.2	ND	25	104.8	120.8	14.2	65-165	20		
Benzene	25.4	29.1	ND	25	101.6	116.4	13.6	69-129	20		
Toluene	27.0	31.4	ND	25	108.0	125.6	15.1	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	512	504		500	102.4	100.8		72-128			
Toluene-d8	495	531		500	99.0	106.2		80-113			

Gas/BTEX/MTBE by 8260B

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present
in the sample.

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

Diesel

TRC Alton Geoscience- Irvine

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-8	11/12/2004 10:39	Water	1
MW-2	11/12/2004 11:10	Water	2
MW-7	11/12/2004 11:34	Water	3
MW-6	11/12/2004 12:03	Water	4
MW-9	11/12/2004 10:05	Water	5
OW	11/12/2004 11:48	Water	6

Diesel

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-8	Lab ID:	2004-11-0478 - 1
Sampled:	11/12/2004 10:39	Extracted:	11/20/2004 07:25
Matrix:	Water	QC Batch#:	2004/11/20-1A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	11/21/2004 06:34	
Surrogate(s) o-Terphenyl	78.7	60-130	%	1.00	11/21/2004 06:34	

Diesel

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Prep(s):	3510/8015M	Test(s):	8015M			
Sample ID:	MW-2	Lab ID:	2004-11-0478 - 2			
Sampled:	11/12/2004 11:10	Extracted:	11/20/2004 07:25			
Matrix:	Water	QC Batch#:	2004/11/20-1A.10			
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	200	50	ug/L	1.00	11/21/2004 07:01	Q2
Surrogate(s)						
o-Terphenyl	78.3	60-130	%	1.00	11/21/2004 07:01	

Diesel

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Prep(s):	3510/8015M	Test(s):	8015M			
Sample ID:	MW-7	Lab ID:	2004-11-0478 - 3			
Sampled:	11/12/2004 11:34	Extracted:	11/20/2004 07:25			
Matrix:	Water	QC Batch#:	2004/11/20-1A.10			
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	480	50	ug/L	1.00	11/21/2004 07:29	Q2
Surrogate(s)						
o-Terphenyl	86.2	60-130	%	1.00	11/21/2004 07:29	

Diesel

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	MW-6	Lab ID:	2004-11-0478 - 4
Sampled:	11/12/2004 12:03	Extracted:	11/20/2004 07:25
Matrix:	Water	QC Batch#:	2004/11/20-1A.10
Compound		Conc.	RL
Diesel		ND	50
Surrogate(s)			ug/L
o-Terphenyl	81.2	60-130	%
Dilution			Analyzed
1.00			11/21/2004 07:56
Flag			

Diesel

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Prep(s):	3510/8015M	Test(s):	8015M			
Sample ID:	MW-9	Lab ID:	2004-11-0478 - 5			
Sampled:	11/12/2004 10:05	Extracted:	11/20/2004 07:25			
Matrix:	Water	QC Batch#:	2004/11/20-1A.10			
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	61	50	ug/L	1.00	11/21/2004 08:23	Q2
Surrogate(s)						
o-Terphenyl	92.7	60-130	%	1.00	11/21/2004 08:23	

Diesel

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Prep(s):	3510/8015M	Test(s):	8015M
Sample ID:	OW	Lab ID:	2004-11-0478 - 6
Sampled:	11/12/2004 11:48	Extracted:	11/20/2004 07:25
Matrix:	Water	QC Batch#:	2004/11/20-1A.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	230	50	ug/L	1.00	11/21/2004 08:51	Q2
Surrogate(s)						
o-Terphenyl	75.7	60-130	%	1.00	11/21/2004 08:51	

Diesel

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Project: 41050001FA20
Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Method Blank**Water****QC Batch # 2004/11/20-1A.10**

MB: 2004/11/20-1A.10-001

Date Extracted: 11/20/2004 07:25

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	11/29/2004 14:12	
Surrogates(s) o-Terphenyl	73.6	60-130	%	11/29/2004 14:12	

Diesel

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Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike**Water****QC Batch # 2004/11/20-1A.10**

LCS 2004/11/20-1A.10-002

Extracted: 11/20/2004

Analyzed: 11/29/2004 14:12

LCSD 2004/11/20-1A.10-003

Extracted: 11/20/2004

Analyzed: 11/29/2004 14:39

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Diesel	805	747	1000	80.5	74.7	7.5	60-130	25		
Surrogates(s) o-Terphenyl	17.3	16.6	20.0	86.4	83.1		60-130			

Diesel

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Conoco Phillips # 05426

Received: 11/15/2004 11:46

Site: 8510 Gravenstein Highway

Legend and Notes

Result Flag

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.

STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures – Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water suspected of containing potentially hazardous material, such as liquid-phase hydrocarbons, was accumulated separately in a drum for transportation and disposal by Filter Recycling, Inc.

Limitations

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.